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REMEDIAL INVESTIGATION REPORT FOR OPERABLE UNIT 5 - REFERENCE APPENDICES - VOLUME 4 OF 13 - APPENDIX I (CONTINUED) - ****DRAFT FINAL**** - OCTOBER 1994

10/31/94

DOE-FN EPAS
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REPORT

REMEDIAL INVESTIGATION REPORT FOR OPERABLE UNIT 5

FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
FERNALD, OHIO

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY

REFERENCE APPENDICES

VOLUME 4 OF 13

APPENDIX I (Continued)

OCTOBER 1994

U.S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE

DRAFT FINAL

REMEDIAL INVESTIGATION REPORT FOR OPERABLE UNIT 5

FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
FERNALD, OHIO

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY

REFERENCE APPENDICES
VOLUME 4 OF 13
APPENDIX I (Continued)

OCTOBER 1994

U.S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE

DRAFT FINAL

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046814			045301			045302			045974			045975		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT-KNOX		
WELL OR BORING NUMBER:	1346			1347			1347			1347			1347		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	30-JUL-90			06-OCT-89			06-OCT-89			13-JUL-90			13-JUL-90		
NORTH COORDINATE:	481245.67			481151.6			481151.6			481151.6			481151.6		
EAST COORDINATE:	1380178.9			1379994.63			1379994.63			1379994.63			1379994.63		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE	.1 MG/L		U				.1 MG/L		U				.1 MG/L		U
RADIONUCLIDES															
URANIUM, TOTAL				152 UG/L	25	-				3.94 UG/L	.51	R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120452	120452	099113	099113	099113
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT	IT	IT-KNOX	IT-KNOX	IT
WELL OR BORING NUMBER:	1348	1348	1348	1348	1348
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-JUL-93	13-JUL-93	21-DEC-92	21-DEC-92	21-DEC-92
NORTH COORDINATE:	481129.55	481129.55	481129.55	481129.55	481129.55
EAST COORDINATE:	1380247.52	1380247.52	1380247.52	1380247.52	1380247.52
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				616 MG/L		-									
AMMONIA				.17 MG/L		-									
CHLORIDE				104.58 MG/L		-									
FLUORIDE				.23 MG/L		-									
NITRATE				.1 MG/L		U									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				1.47 MG/L		-									
SULFATE				16.01 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL KJELDAHL NITROGEN				.31 MG/L		-									
TOTAL ORGANIC CARBON				3.27 MG/L		-									
TOTAL ORGANIC HALIDES				.0464 MG/L		-									
TOTAL ORGANIC NITROGEN				.14 MG/L		-									
INORGANICS															
ALUMINUM	.306 MG/L		-				.03 MG/L		U						
ANTIMONY	.005 MG/L		U				.005 MG/L		U						
ARSENIC	.0021 MG/L		J				.002 MG/L		U						
BARIUM	.179 MG/L		-				.205 MG/L		-						
BERYLLIUM	.002 MG/L		U				.002 MG/L		U						
CADMIUM	.005 MG/L		U				.005 MG/L		U						
CALCIUM	189 MG/L		-				201 MG/L		-						
CHROMIUM	.01 MG/L		U				.01 MG/L		U						
COBALT	.01 MG/L		U				.01 MG/L		U						
COPPER	.01 MG/L		U				.01 MG/L		U						
CYANIDE										.002 MG/L		U			
IRON	2.12 MG/L		-				3.15 MG/L		-						
LEAD	.002 MG/L		U				.002 MG/L		U						
MAGNESIUM	59.1 MG/L		-				59.7 MG/L		-						
MANGANESE	2.62 MG/L		-				2.3 MG/L		-						
MERCURY	.0002 MG/L		U				.0002 MG/L		U				.002 MG/L		U

SAMPLE NUMBER:	120452			120452			099113			099113			099113		
LAB:	IT			IT			IT-KNOX			IT-KNOX			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.02 MG/L		U				.02 MG/L		U						
NICKEL	.02 MG/L		U				.02 MG/L		U						
POTASSIUM	.633 MG/L		-				.345 MG/L		-						
SELENIUM	.002 MG/L		U				.002 MG/L		U						
SILICON	8.82 MG/L		-				9.41 MG/L		U						
SILVER	.01 MG/L		U				.01 MG/L		U						
SODIUM	23.8 MG/L		-				22.1 MG/L		-						
THALLIUM	.002 MG/L		U				.002 MG/L		UJ						
VANADIUM	.01 MG/L		U				.01 MG/L		U						
ZINC	.005 MG/L		U				.005 MG/L		U						
PESTICIDES															
4,4'-DDD				.1 UG/L		U				.1 UG/L		U			
4,4'-DDE				.1 UG/L		U				.1 UG/L		U			
4,4'-DDT				.1 UG/L		U				.1 UG/L		U			
ALDRIN				.05 UG/L		U				.05 UG/L		U			
ALPHA-BHC				.05 UG/L		U				.05 UG/L		U			
ALPHA-CHLORDANE				.05 UG/L		U				.5 UG/L		U			
AROCLOR-1016				1 UG/L		U				.5 UG/L		U			
AROCLOR-1221				2 UG/L		U				.5 UG/L		U			
AROCLOR-1232				1 UG/L		U				.5 UG/L		U			
AROCLOR-1242				1 UG/L		U				.5 UG/L		U			
AROCLOR-1248				1 UG/L		U				.5 UG/L		U			
AROCLOR-1254				1 UG/L		U				1 UG/L		U			
AROCLOR-1260				1 UG/L		U				1 UG/L		U			
BETA-BHC				.05 UG/L		U				.05 UG/L		U			
DELTA-BHC				.05 UG/L		U				.05 UG/L		U			
DIELDRIN				.1 UG/L		U				.1 UG/L		U			
ENDOSULFAN II				.1 UG/L		U				.1 UG/L		U			
ENDOSULFAN SULFATE				.1 UG/L		U				.1 UG/L		U			
ENDOSULFAN-I				.05 UG/L		U				.05 UG/L		U			
ENDRIN				.1 UG/L		U				.1 UG/L		U			
ENDRIN ALDEHYDE				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U				.1 UG/L		U			
GAMMA-BHC (LINDANE)				.05 UG/L		U				.05 UG/L		U			
GAMMA-CHLORDANE				.05 UG/L		U				.5 UG/L		U			
HEPTACHLOR				.05 UG/L		U				.05 UG/L		U			
HEPTACHLOR EPOXIDE				.05 UG/L		U				.05 UG/L		U			
METHOXYCHLOR				.5 UG/L		U				.5 UG/L		U			
TOXAPHENE				5 UG/L		U				1 UG/L		U			
RADIONUCLIDES															
URANIUM-238				1.23 PCI/L	.34	-									
URANIUM, TOTAL				4.55 UG/L		-									
URANIUM-234				.824 PCI/L	.26	J									

SAMPLE NUMBER:	120452			120452			099113			099113			099113		
LAB:	IT			IT			IT-KNOX			IT-KNOX			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230				.344 PCI/L	.173	J									
RADIUM-226				1 PCI/L	.117	UJ									
URANIUM-235/236				.2 PCI/L	.066	UJ									
THORIUM-232				.2 PCI/L	.0635	UJ									
THORIUM, TOTAL				1.08 UG/L		UJ									
RADIUM-228				3 PCI/L	.78	UJ									
THORIUM-228				.2 PCI/L	.0488	UJ									
NEPTUNIUM-237				.5 PCI/L	.107	UJ									
PLUTONIUM-239/240				.5 PCI/L	.0631	UJ									
PLUTONIUM-238				.5 PCI/L	.1099	UJ									
STRONTIUM-90				1 PCI/L	.365	UJ									
TECHNETIUM-99				15 PCI/L	7.45	UJ									
RUTHENIUM-106				150 PCI/L		UJ									
CESIUM-137				12 PCI/L		UJ									
GROSS ALPHA				5.05 PCI/L	5.35	NV									
GROSS BETA				.54 PCI/L	4.21	NV									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,2-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,3-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,4-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
2,4,5-TRICHLOROPHENOL				25 UG/L		U				50 UG/L		U			
2,4,6-TRICHLOROPHENOL				10 UG/L		U				10 UG/L		U			
2,4-DICHLOROPHENOL				10 UG/L		U				10 UG/L		U			
2,4-DIMETHYLPHENOL				10 UG/L		U				10 UG/L		U			
2,4-DINITROPHENOL				50 UG/L		U				50 UG/L		UJ			
2,4-DINITROTOLUENE				10 UG/L		U				10 UG/L		U			
2,6-DINITROTOLUENE				10 UG/L		U				10 UG/L		U			
2-BENZYL-4-CHLOROPHENOL				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U				10 UG/L		U			
2-CHLOROPHENOL				10 UG/L		U				10 UG/L		U			
2-METHYLNAPHTHALENE				10 UG/L		U				10 UG/L		U			
2-METHYLPHENOL				10 UG/L		U				10 UG/L		U			
2-NITROANILINE				25 UG/L		U				50 UG/L		U			
2-NITROPHENOL				10 UG/L		U				10 UG/L		U			
3,3'-DICHLOROBENZIDINE				10 UG/L		U				20 UG/L		U			
3-NITROANILINE				25 UG/L		U				50 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL				25 UG/L		U				50 UG/L		U			
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U				10 UG/L		U			
4-CHLORO-3-METHYLPHENOL				10 UG/L		U				10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U				10 UG/L		U			
4-METHYLPHENOL				10 UG/L		U				10 UG/L		U			
4-NITROANILINE				25 UG/L		U				50 UG/L		U			
4-NITROPHENOL				25 UG/L		U				50 UG/L		U			
ACENAPHTHENE				10 UG/L		U				10 UG/L		U			

SAMPLE NUMBER:	120452			120452			099113			099113			099113		
LAB:	IT			IT			IT-KNOX			IT-KNOX			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ACENAPHTHYLENE				10 UG/L		U				10 UG/L		U			
ANTHRACENE				10 UG/L		U				10 UG/L		U			
BENZO(A)ANTHRACENE				10 UG/L		U				10 UG/L		U			
BENZO(A)PYRENE				10 UG/L		U				10 UG/L		U			
BENZO(B)FLUORANTHENE				10 UG/L		U				10 UG/L		U			
BENZO(G,H,I)PERYLENE				10 UG/L		U				10 UG/L		U			
BENZO(K)FLUORANTHENE				10 UG/L		U				10 UG/L		U			
BENZOIC ACID				3 UG/L		J				10 UG/L		UJ			
BENZYL ALCOHOL				10 UG/L		U				10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U				10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U				10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U				10 UG/L		UJ			
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U				10 UG/L		U			
BUTYL BENZYL PHTHALATE				10 UG/L		U				10 UG/L		U			
CARBAZOLE				10 UG/L		U									
CHRYSENE				10 UG/L		U				10 UG/L		U			
DI-N-BUTYL PHTHALATE				10 UG/L		U				10 UG/L		U			
DI-N-OCTYL PHTHALATE				10 UG/L		U				10 UG/L		U			
DIBENZO(A,H)ANTHRACENE				10 UG/L		U				10 UG/L		U			
DIBENZOFURAN				10 UG/L		U				10 UG/L		U			
DIETHYL PHTHALATE				10 UG/L		U				10 UG/L		U			
DIMETHYL PHTHALATE				10 UG/L		U				10 UG/L		U			
FLUORANTHENE				10 UG/L		U				10 UG/L		U			
FLUORENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROBENZENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROBUTADIENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROETHANE				10 UG/L		U				10 UG/L		U			
INDENO(1,2,3-CD)PYRENE				10 UG/L		U				10 UG/L		U			
ISOPHORONE				10 UG/L		U				10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U				10 UG/L		U			
N-NITROSODIMETHYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U				10 UG/L		U			
NAPHTHALENE				10 UG/L		U				10 UG/L		U			
NITROBENZENE				10 UG/L		U				10 UG/L		U			
P-CHLOROANILINE				10 UG/L		U				10 UG/L		U			
PENTACHLOROPHENOL				25 UG/L		UJ				50 UG/L		U			
PHENANTHRENE				10 UG/L		U				10 UG/L		U			
PHENOL				10 UG/L		U				10 UG/L		U			
PYRENE				10 UG/L		U				10 UG/L		U			
TRIBUTYL PHOSPHATE										10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U							10 UG/L		U
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U							10 UG/L		U

SAMPLE NUMBER:	120452			120452			099113			099113			099113		
LAB:	IT			IT			IT-KNOX			IT-KNOX			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2-TRICHLOROETHANE				10 UG/L		U							10 UG/L		U
1,1-DICHLOROETHANE				10 UG/L		U							10 UG/L		U
1,1-DICHLOROETHENE				10 UG/L		U							10 UG/L		U
1,2-DICHLOROETHANE				10 UG/L		U							10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U							10 UG/L		U
1,2-DICHLOROPROPANE				10 UG/L		U							10 UG/L		U
2-BUTANONE				10 UG/L		U							10 UG/L		U
2-HEXANONE				10 UG/L		UJ							10 UG/L		UJ
4-METHYL-2-PENTANONE				10 UG/L		U							10 UG/L		UJ
ACETONE				10 UG/L		UJ							10 UG/L		U
BENZENE				10 UG/L		U							10 UG/L		U
BROMODICHLOROMETHANE				10 UG/L		U							10 UG/L		U
BROMOFORM				10 UG/L		U							10 UG/L		U
BROMOMETHANE				10 UG/L		U							10 UG/L		U
CARBON DISULFIDE				10 UG/L		U							10 UG/L		U
CARBON TETRACHLORIDE				10 UG/L		U							10 UG/L		U
CHLOROBENZENE				10 UG/L		U							10 UG/L		U
CHLOROETHANE				10 UG/L		UJ							10 UG/L		UJ
CHLOROFORM				10 UG/L		U							10 UG/L		U
CHLOROMETHANE				10 UG/L		UJ							10 UG/L		U
CIS-1,3-DICHLOROPROPENE				10 UG/L		U							10 UG/L		U
DIBROMOCHLOROMETHANE				10 UG/L		U							10 UG/L		U
ETHYLBENZENE				10 UG/L		U							10 UG/L		U
METHYLENE CHLORIDE				10 UG/L		U							10 UG/L		UJ
STYRENE				10 UG/L		U							10 UG/L		U
TETRACHLOROETHENE				10 UG/L		U							10 UG/L		U
TOLUENE				10 UG/L		U							10 UG/L		U
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U							10 UG/L		U
TRICHLOROETHENE				10 UG/L		U							10 UG/L		U
VINYL ACETATE				10 UG/L		U							10 UG/L		UJ
VINYL CHLORIDE				10 UG/L		U							10 UG/L		U
XYLENES, TOTAL				10 UG/L		U							10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099113	045353	045354	045355	045312
TASK:	50.03.07	3.7	3.7	3.7	3.7
LAB:	IT/RSL	IT	IT	IT	IT
WELL OR BORING NUMBER:	1348	1348	1348	1348	1351
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-DEC-92	22-JAN-90	28-JUL-90	28-JUL-90	06-OCT-89
NORTH COORDINATE:	481129.55	481129.55	481129.55	481129.55	480940.44
EAST COORDINATE:	1380247.52	1380247.52	1380247.52	1380247.52	1379899.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE				.1 MG/L		U				.1 MG/L		U			
RADIONUCLIDES															
URANIUM-238	.5 PCI/L	.3	R												
URANIUM, TOTAL	1.51 UG/L	.16	J	20.5 UG/L	4.4	J	12.9 UG/L	1.4	J				11 UG/L	2	-
URANIUM-234	.5 PCI/L		R												
RADIUM-226	1 PCI/L		UJ												
URANIUM-235/236	.3 PCI/L		R												
RADIUM-228	5 PCI/L		UJ												
NEPTUNIUM-237	.1 PCI/L		R												
PLUTONIUM-239/240	.04 PCI/L		R												
PLUTONIUM-238	.1 PCI/L		R												
STRONTIUM-90	1 PCI/L		UJ												
TECHNETIUM-99	17 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		UJ												
CESIUM-137	16 PCI/L		UJ												
GROSS ALPHA	12.2 PCI/L		UNV												
GROSS BETA	10.9 PCI/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045313			045985			GW930528-1			GW930528-1			GW930528-1		
TASK:	3.7			3.7			50.03.23			50.03.23			50.03.23		
LAB:	IT			IT			CORE			CORE			FERMCO		
WELL OR BORING NUMBER:	1351			1351			1351			1351			1351		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	06-OCT-89			21-FEB-90			28-MAY-93			28-MAY-93			28-MAY-93		
NORTH COORDINATE:	480940.44			480940.44			480940.44			480940.44			480940.44		
EAST COORDINATE:	1379899.75			1379899.75			1379899.75			1379899.75			1379899.75		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE	.276 MG/L		-	.1 MG/L		U									
RADIONUCLIDES															
URANIUM-238							.2 PCI/L	1	UJ	.6 PCI/L	.2	J			
URANIUM, TOTAL				80 UG/L	9	-	1.4 UG/L	.1	-	1.2 UG/L	.1	-	1.1 UG/L		NV
URANIUM-234							.5 PCI/L	.6	J	.6 PCI/L	.2	J			
THORIUM-230							.2 PCI/L	.2	UJ	.3 PCI/L	.2	UJ			
RADIUM-226							1 PCI/L	.4	UJ	1 PCI/L	.3	UJ			
URANIUM-235/236							.2 PCI/L	.1	UJ	.2 PCI/L	.3	UJ			
THORIUM-232							.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ			
THORIUM, TOTAL										1.8240366 PCI/L	.2	NV			
RADIUM-228							3.6 PCI/L	.9	J	3 PCI/L	1.5	U			
THORIUM-228							.2 PCI/L	.3	UJ	.3 PCI/L	.2	J			
TECHNETIUM-99							15 PCI/L	7.7	U	15 PCI/L	7.2	U			
GROSS ALPHA							3.3 PCI/L	1.7	NV	12.2 PCI/L	5.4	NV			
GROSS BETA							3.8 PCI/L	2.1	UNV	16.3 PCI/L	5.9	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930528-1	GW930528-1	GW930528-1	045332	045333
TASK:	50.03.23	50.03.23	50.03.23	3.7	3.7
LAB:	FERMCO	NET	NET	IT	IT
WELL OR BORING NUMBER:	1351	1351	1351	1352	1352
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-MAY-93	28-MAY-93	28-MAY-93	09-OCT-89	09-OCT-89
NORTH COORDINATE:	480940.44	480940.44	480940.44	480889.77	480889.77
EAST COORDINATE:	1379899.75	1379899.75	1379899.75	1380004.4	1380004.4
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							448 MG/L		-						
AMMONIA							.17 MG/L		-						
BICARBONATE ALKALINITY							555 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE							15 MG/L		-						
FLUORIDE							.31 MG/L		-						
NITRATE													.1 MG/L		U
NITRITE, AS NITROGEN							.09 MG/L		-						
PH							7.18 SU		-						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.23 MG/L		R						
SPECIFIC CONDUCTIVITY							815 UMHOS/CM		-						
SULFATE							75 MG/L		-						
TOTAL DISSOLVED SOLIDS				540 MG/L		-									
TOTAL KJELDAHL NITROGEN							.63 MG/L		-						
TOTAL ORGANIC CARBON							3 MG/L		-						
TOTAL ORGANIC HALIDES							.018 MG/L		-						
TOTAL ORGANIC NITROGEN							.46 MG/L		-						
TOTAL SOLIDS							1200 MG/L		-						
INORGANICS															
ALUMINUM				20 MG/L		U	10500 MG/L		~~J~~R						
ANTIMONY				45 MG/L		U	45 MG/L		U						
ARSENIC				70 MG/L		R	2 MG/L		UR						
BARIUM				.0368 MG/L		-	.129 MG/L		-						
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						
CADMIUM				.0032 MG/L		-	.0044 MG/L		-						
CALCIUM				20.9 MG/L		-	157 MG/L		-						
CHROMIUM				.005 MG/L		U	.0133 MG/L		J						
COBALT				.008 MG/L		U	.0117 MG/L		-						
COPPER				.003 MG/L		U	.0124 MG/L		U						

SAMPLE NUMBER:	GW930528-1			GW930528-1			GW930528-1			045332			045333		
LAB:	FERMCO			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE				.01 MG/L		UR	.01 MG/L		UJ						
IRON				18.7 MG/L		-	20.3 MG/L		J						
LEAD				.0026 MG/L		-	.0036 MG/L		UJ						
MAGNESIUM				3.88 MG/L		-	54.8 MG/L		-						
MANGANESE				1.64 MG/L		-	3.91 MG/L		-						
MERCURY				.0002 MG/L		UJ	.0002 MG/L		U						
NICKEL				.02 MG/L		U	.0201 MG/L		-						
POTASSIUM				32.7 MG/L		J	3.31 MG/L		J						
SELENIUM				.0017 MG/L		J	.001 MG/L		UJ						
SILVER				.007 MG/L		U	.007 MG/L		UJ						
SODIUM				22.8 MG/L		J	7.28 MG/L		J						
THALLIUM				.002 MG/L		UJ	.002 MG/L		UJ						
VANADIUM				.003 MG/L		U	.0166 MG/L		-						
ZINC				.005 MG/L		U	.0543 MG/L		J						
RADIONUCLIDES															
URANIUM, TOTAL	1.9 UG/L		NV							226 UG/L	35	-			
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		U						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						

SAMPLE NUMBER:	GW930528-1			GW930528-1			GW930528-1			045332			045333		
LAB:	FERMCO			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045989	GW930528-2	GW930528-2	GW930528-2	GW930528-2
TASK:	3.7	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	1352	1352	1352	1352	1352
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-FEB-90	28-MAY-93	28-MAY-93	28-MAY-93	28-MAY-93
NORTH COORDINATE:	480889.77	480889.77	480889.77	480889.77	480889.77
EAST COORDINATE:	1380004.4	1380004.4	1380004.4	1380004.4	1380004.4
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE	.1 MG/L		U												
RADIONUCLIDES															
URANIUM-238				10.8 PCI/L	1.8	J	17.6 PCI/L	2.6	-						
URANIUM, TOTAL	501 UG/L	94	-	59.2 UG/L	4.1	-	58.2 UG/L	4.1	-	61 UG/L		NV	82 UG/L		NV
URANIUM-234				10.4 PCI/L	1.5	J	18 PCI/L	2.7	-						
THORIUM-230				.2 PCI/L	.2	UJ	.3 PCI/L	.3	UJ						
RADIUM-226				1 PCI/L	.4	UJ	2.2 PCI/L	.4	J						
URANIUM-235/236				.4 PCI/L	.2	J	1 PCI/L	.6	-						
THORIUM-232				.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ						
THORIUM, TOTAL							.9120244 PCI/L	.2	NV						
RADIUM-228				3 PCI/L	1.8	UJ	5.7 PCI/L	1.7	-						
THORIUM-228				.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ						
TECHNETIUM-99							15 PCI/L	7.6	U						
GROSS ALPHA				33 PCI/L	3.3	NV	75.2 PCI/L	15.6	NV						
GROSS BETA				19 PCI/L	1.9	NV	96.5 PCI/L	13.4	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930528-2	GW930528-2	120389	120389F	120391
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	NET	NET	TCT	TCT	CORE
WELL OR BORING NUMBER:	1352	1352	1353	1353	1353
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-MAY-93	28-MAY-93	07-JUL-93	07-JUL-93	07-JUL-93
NORTH COORDINATE:	480889.77	480889.77	480927.26	480927.26	480927.26
EAST COORDINATE:	1380004.4	1380004.4	1380251.72	1380251.72	1380251.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				264 MG/L		-	690 MG/L		-						
AMMONIA				.21 MG/L		-	.24 MG/L		-						
BICARBONATE ALKALINITY				317 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				34 MG/L		-	102 MG/L		-						
FLUORIDE				.47 MG/L		-	.196 MG/L		-						
NITRITE, AS NITROGEN				.02 MG/L		U	.2 MG/L		U						
PH				7.38 SU		-	.005 MG/L		U						
PHENOLS				.01 MG/L		U	.005 MG/L		U						
PHOSPHATE							.361 MG/L		R						
PHOSPHORUS				.18 MG/L		R									
SPECIFIC CONDUCTIVITY				553 UMHOS/CM		-									
SULFATE				74 MG/L		-	22.3 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL DISSOLVED SOLIDS	385 MG/L		-												
TOTAL KJELDAHL NITROGEN				.75 MG/L		-	.38 MG/L		-						
TOTAL ORGANIC CARBON				1 MG/L		-	13.6 MG/L		J						
TOTAL ORGANIC HALIDES				.01 MG/L		U	.07 MG/L		J						
TOTAL ORGANIC NITROGEN				.54 MG/L		-	.14 MG/L		-						
TOTAL SOLIDS				1930 MG/L		-									
INORGANICS															
ALUMINUM	.02 MG/L		U	14.7 MG/L		J	11.7 MG/L		-	.132 MG/L		U			
ANTIMONY	.045 MG/L		U	.045 MG/L		U	.014 MG/L		U	.014 MG/L		U			
ARSENIC	.144 MG/L		R	.0055 MG/L		R	.0061 MG/L		J	.0065 MG/L		J			
BARIUM	.0138 MG/L		U	.295 MG/L		U	.276 MG/L		-	.159 MG/L		-			
BERYLLIUM	.001 MG/L		U	.001 MG/L		U	.0114 MG/L		R	.005 MG/L		UR			
CADMIUM	.0042 MG/L		-	.0054 MG/L		-	.0072 MG/L		-	.005 MG/L		U			
CALCIUM	6.26 MG/L		-	234 MG/L		-	495 MG/L		-	182 MG/L		-			
CHROMIUM	.005 MG/L		U	.0187 MG/L		J	.012 MG/L		J	.006 MG/L		UJ			
COBALT	.008 MG/L		U	.0235 MG/L		-	.017 MG/L		U	.017 MG/L		U			

SAMPLE NUMBER:	GW930528-2			GW930528-2			120389			120389F			120391		
LAB:	NET			NET			TCT			TCT			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER	.003 MG/L		U	.0217 MG/L		U	.0257 MG/L		U	.009 MG/L		U			
CYANIDE	.01 MG/L		UR	.01 MG/L		UJ	.005 MG/L		U	.005 MG/L		U			
IRON	17.6 MG/L		-	27.1 MG/L		J	19.2 MG/L		-	.456 MG/L		-			
LEAD	.0017 MG/L		-	.0128 MG/L		J	.0178 MG/L		-	.001 MG/L		U			
MAGNESIUM	1.55 MG/L		-	75.2 MG/L		-	158 MG/L		-	57.5 MG/L		-			
MANGANESE	1.21 MG/L		-	3.63 MG/L		-	5.96 MG/L		-	3.95 MG/L		-			
MERCURY	.0002 MG/L		UJ	.0002 MG/L		U	.00022 MG/L		U	.00025 MG/L		U			
MOLYBDENUM							.017 MG/L		UJ	.017 MG/L		UJ			
NICKEL	.02 MG/L		U	.0304 MG/L		-	.018 MG/L		UJ	.018 MG/L		UJ			
POTASSIUM	15.1 MG/L		J	2.95 MG/L		J	5.16 MG/L		-	.97 MG/L		-			
SELENIUM	.0028 MG/L		J	.0023 MG/L		J	.005 MG/L		UJ	.005 MG/L		UJ			
SILICON							20.5 MG/L		-	7.99 MG/L		-			
SILVER	.007 MG/L		U	.007 MG/L		UJ	.002 MG/L		U	.002 MG/L		U			
SODIUM	8.91 MG/L		-	29.5 MG/L		-	38.7 MG/L		-	39.9 MG/L		-			
THALLIUM	.002 MG/L		UJ	.002 MG/L		UJ	.001 MG/L		UJ	.001 MG/L		UJ			
VANADIUM	.003 MG/L		U	.0301 MG/L		-	.0614 MG/L		-	.024 MG/L		U			
ZINC	.0051 MG/L		U	.0875 MG/L		UJ	.184 MG/L		-	.032 MG/L		-			
RADIONUCLIDES															
URANIUM-238													2.9 PCI/L	.6	-
URANIUM, TOTAL													15.4 UG/L	1.1	-
URANIUM-234													2.5 PCI/L	3	-
THORIUM-230													.4 PCI/L	.3	-
RADIUM-226													1.1 PCI/L	.3	J
URANIUM-235/236													.2 PCI/L	.2	U
THORIUM-232													.2 PCI/L	.3	U
THORIUM, TOTAL													1.82405644 PCI/L	.3	NV
RADIUM-228													3 PCI/L	1.2	U
THORIUM-228													.3 PCI/L	.2	-
TECHNETIUM-99													15 PCI/L	7.5	U
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U	10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U	10 UG/L		U						
1,1,2-TRICHLOROETHANE				10 UG/L		U	10 UG/L		U						
1,1-DICHLOROETHANE				10 UG/L		U	10 UG/L		U						
1,1-DICHLOROETHENE				10 UG/L		U	10 UG/L		U						
1,2-DICHLOROETHANE				10 UG/L		U	10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U	10 UG/L		U						
1,2-DICHLOROPROPANE				10 UG/L		U	10 UG/L		U						
2-BUTANONE				10 UG/L		U	10 UG/L		J						
2-HEXANONE				10 UG/L		U	10 UG/L		UJ						
4-METHYL-2-PENTANONE				10 UG/L		U	10 UG/L		UJ						
ACETONE				10 UG/L		U	25 UG/L		UJ						
BENZENE				10 UG/L		UJ	10 UG/L		U						

SAMPLE NUMBER:	GW930528-2			GW930528-2			120389			120389F			120391		
LAB:	NET			NET			TCT			TCT			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE				10 UG/L		U	10 UG/L		U						
BROMOFORM				10 UG/L		U	10 UG/L		U						
BROMOMETHANE				10 UG/L		U	10 UG/L		U						
CARBON DISULFIDE				10 UG/L		U	10 UG/L		U						
CARBON TETRACHLORIDE				10 UG/L		U	10 UG/L		U						
CHLOROBENZENE				10 UG/L		UJ	10 UG/L		U						
CHLOROETHANE				10 UG/L		U	10 UG/L		U						
CHLOROFORM				10 UG/L		U	10 UG/L		U						
CHLOROMETHANE				10 UG/L		U	10 UG/L		U						
CIS-1,3-DICHLOROPROPENE				10 UG/L		U	10 UG/L		U						
DIBROMOCHLOROMETHANE				10 UG/L		U	10 UG/L		U						
ETHYLBENZENE				10 UG/L		UJ	10 UG/L		U						
METHYLENE CHLORIDE				10 UG/L		U	10 UG/L		U						
STYRENE				10 UG/L		UJ	10 UG/L		U						
TETRACHLOROETHENE				10 UG/L		U	10 UG/L		U						
TOLUENE				10 UG/L		UJ	10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U	10 UG/L		U						
TRICHLOROETHENE				10 UG/L		U	10 UG/L		U						
VINYL ACETATE							10 UG/L		UJ						
VINYL CHLORIDE				10 UG/L		U	10 UG/L		U						
XYLENES, TOTAL				10 UG/L		UJ	10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120391F			120393			120393F			045358			045359		
TASK:	50.03.23			50.03.23			50.03.23			3.7			3.7		
LAB:	CORE			FERMCO			FERMCO			IT			IT		
WELL OR BORING NUMBER:	1353			1353			1353			1353			1353		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-JUL-93			07-JUL-93			07-JUL-93			17-OCT-89			17-OCT-89		
NORTH COORDINATE:	480927.26			480927.26			480927.26			480927.26			480927.26		
EAST COORDINATE:	1380251.72			1380251.72			1380251.72			1380251.72			1380251.72		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE													.1 MG/L		U
RADIONUCLIDES															
URANIUM-238	2.7 PCI/L	.6	J												
URANIUM, TOTAL	6 UG/L	.4	-	7.1 UG/L		NV	7 UG/L		NV	24 UG/L	3	-			
URANIUM-234	2.6 PCI/L	.6	J												
THORIUM-230	.3 PCI/L	.2	J												
RADIUM-226	1 PCI/L	.2	UJ												
URANIUM-235/236	.2 PCI/L	.1	UJ												
THORIUM-232	.2 PCI/L	.1	UJ												
RADIUM-228	3 PCI/L	.9	UJ												
THORIUM-228	.2 PCI/L	.2	UJ												
TECHNETIUM-99	15 PCI/L	7.6	UJ												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045413			045414			045415			045416			EMGW_SYSGEN_330		
TASK:	3.7			3.7			3.7			3.7			GWMON		
LAB:	IT			IT			IT			IT			NET		
WELL OR BORING NUMBER:	1353			1353			1353			1353			1353		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	17-OCT-89			17-OCT-89			28-AUG-90			28-AUG-90			29-OCT-90		
NORTH COORDINATE:	480927.26			480927.26			480927.26			480927.26			480927.26		
EAST COORDINATE:	1380251.72			1380251.72			1380251.72			1380251.72			1380251.72		
QA TYPE:	DUPLICATE			DUPLICATE			NORMAL			NORMAL			NORMAL		
QC OF:	045358			045359											
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE				.1 MG/L		U				.1 MG/L		U			
INORGANICS															
LEAD													.088 MG/L		NV
RADIONUCLIDES															
URANIUM, TOTAL	25 UG/L	3	-				5.95 UG/L	.62	-						
VOLATILES															
BENZENE													.5 UG/L		UNV
ETHYLBENZENE													.5 UG/L		UNV
TOLUENE													.5 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045350	045351	120384	120384F	120386
TASK:	3.7	3.7	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	TCT	TCT	CORE
WELL OR BORING NUMBER:	1354	1354	1354	1354	1354
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-OCT-89	06-OCT-89	09-JUL-93	09-JUL-93	09-JUL-93
NORTH COORDINATE:	480893.54	480893.54	480893.54	480893.54	480893.54
EAST COORDINATE:	1380491.66	1380491.66	1380491.66	1380491.66	1380491.66
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							616 MG/L		-						
AMMONIA							.0722 MG/L		-						
CHLORIDE							300 MG/L		-						
FLUORIDE							.14 MG/L		-						
NITRATE				.1 MG/L		U	.0471 MG/L		-						
NITRATE/NITRITE							.0471 MG/L		-						
PHENOLS							.0103 MG/L		-						
PHOSPHATE							.149 MG/L		R						
SULFATE							58.8 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL KJELDAHL NITROGEN							.1 MG/L		U						
TOTAL ORGANIC CARBON							2 MG/L		UJ						
TOTAL ORGANIC HALIDES							.133 MG/L		J						
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
INORGANICS															
ALUMINUM							2.07 MG/L		-	.183 MG/L		U			
ANTIMONY							.014 MG/L		U	.014 MG/L		U			
ARSENIC							.0025 MG/L		-	.0024 MG/L		-			
BARIUM							.263 MG/L		-	.188 MG/L		-			
BERYLLIUM							.0077 MG/L		R	.005 MG/L		UR			
CADMIUM							.007 MG/L		-	.005 MG/L		U			
CALCIUM							532 MG/L		-	195 MG/L		-			
CHROMIUM							.006 MG/L		UJ	.006 MG/L		UJ			
COBALT							.017 MG/L		U	.017 MG/L		U			
COPPER							.0247 MG/L		U	.009 MG/L		U			
CYANIDE							.005 MG/L		U	.005 MG/L		U			
IRON							7.18 MG/L		-	.0961 MG/L		-			
LEAD							.0097 MG/L		-	.001 MG/L		U			
MAGNESIUM							131 MG/L		-	60.9 MG/L		-			
MANGANESE							1.73 MG/L		-	.686 MG/L		-			

SAMPLE NUMBER:	045350			045351			120384			120384F			120386		
LAB:	IT			IT			TCT			TCT			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MERCURY							.0001 MG/L		U	.0001 MG/L		U			
MOLYBDENUM							.017 MG/L		UJ	.017 MG/L		UJ			
NICKEL							.018 MG/L		UJ	.018 MG/L		UJ			
POTASSIUM							2.88 MG/L		-	1.75 MG/L		-			
SELENIUM							.005 MG/L		UJ	.005 MG/L		UJ			
SILICON							11.1 MG/L		-	8.54 MG/L		-			
SILVER							.002 MG/L		U	.002 MG/L		U			
SODIUM							139 MG/L		-	131 MG/L		-			
THALLIUM							.005 MG/L		UJ	.005 MG/L		UJ			
VANADIUM							.0467 MG/L		-	.0246 MG/L		-			
ZINC							.161 MG/L		-	.016 MG/L		UJ			
RADIONUCLIDES															
URANIUM-238													11 PCI/L	1.2	-
URANIUM, TOTAL	93 UG/L	13	-										33.2 UG/L	2.3	-
URANIUM-234													9.9 PCI/L	3.1	-
THORIUM-230													.4 PCI/L	.3	U
RADIUM-226													1 PCI/L	.3	UJ
URANIUM-235/236													.7 PCI/L	.3	-
THORIUM-232													.3 PCI/L	.3	U
RADIUM-228													3 PCI/L	1.2	U
THORIUM-228													.2 PCI/L	.2	U
TECHNETIUM-99													15 PCI/L	7.5	U
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							16 UG/L		-						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		UJ						
2-HEXANONE							10 UG/L		UJ						
4-METHYL-2-PENTANONE							10 UG/L		UJ						
ACETONE							10 UG/L		UJ						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		UJ						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						

SAMPLE NUMBER:	045350			045351			120384			120384F			120386		
LAB:	IT			IT			TCT			TCT			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		UJ						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120386F	120388	120388F	045352	045993
TASK:	50.03.23	50.03.23	50.03.23	3.7	3.7
LAB:	CORE	FERMCO	FERMCO	IT	IT
WELL OR BORING NUMBER:	1354	1354	1354	1354	1354
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-JUL-93	09-JUL-93	09-JUL-93	26-AUG-90	28-JUL-90
NORTH COORDINATE:	480893.54	480893.54	480893.54	480893.54	480893.54
EAST COORDINATE:	1380491.66	1380491.66	1380491.66	1380491.66	1380491.66
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE													.1 MG/L		U
RADIONUCLIDES															
URANIUM-238	10.5 PCI/L	1.3	J												
URANIUM, TOTAL	33.4 UG/L	2.3	-	33 UG/L		NV	31 UG/L		NV	102 UG/L	16	-			
URANIUM-234	9.9 PCI/L	1.2	J												
THORIUM-230	.3 PCI/L	.2	UJ												
RADIUM-226	1 PCI/L	.2	UJ												
URANIUM-235/236	.7 PCI/L	.2	J												
THORIUM-232	.2 PCI/L	.1	UJ												
RADIUM-228	3 PCI/L	1.1	UJ												
THORIUM-228	.2 PCI/L	.2	UJ												
TECHNETIUM-99	15 PCI/L	7.5	UJ												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_331	045334	045335	045996	118352
TASK:	GWMON	3.7	3.7	3.7	50.03.23
LAB:	NET	IT	IT	IT	DATACHEM
WELL OR BORING NUMBER:	1354	1356	1356	1356	1356
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-OCT-90	09-OCT-89	09-OCT-89	21-FEB-90	21-MAY-93
NORTH COORDINATE:	480893.54	480828.63	480828.63	480828.63	480828.63
EAST COORDINATE:	1380491.66	1380037.72	1380037.72	1380037.72	1380037.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													.12 MG/L		-
NITRATE							.1 MG/L		U	.1 MG/L		-	.63 MG/L		-
PHENOLS													.02 MG/L		U
PHOSPHORUS													.67 MG/L		-
SULFIDE													1 MG/L		U
TOTAL ORGANIC CARBON													2 MG/L		-
TOTAL ORGANIC HALIDES													.01 MG/L		-
INORGANICS															
ALUMINUM													6 MG/L		-
ANTIMONY													.045 MG/L		UR
ARSENIC													.0017 MG/L		J
BARIUM													.0669 MG/L		-
BERYLLIUM													.0014 MG/L		U
CADMIUM													.003 MG/L		U
CALCIUM													115 MG/L		-
CHROMIUM													.0075 MG/L		U
COBALT													.0117 MG/L		-
COPPER													.0092 MG/L		U
CYANIDE													.01 MG/L		U
IRON													11.7 MG/L		-
LEAD	.005 MG/L		UNV										.0038 MG/L		-
MAGNESIUM													35.5 MG/L		-
MANGANESE													2.33 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL													.0244 MG/L		U
POTASSIUM													1.9 MG/L		-
SELENIUM													.002 MG/L		UJ
SILVER													.003 MG/L		UJ
SODIUM													31.7 MG/L		-
THALLIUM													.001 MG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_331			045334			045335			045996			118352		
LAB:	NET			IT			IT			IT			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
VANADIUM													.0165 MG/L		U
ZINC													.0298 MG/L		J
RADIONUCLIDES															
URANIUM, TOTAL				240 UG/L	42	-				113 UG/L	12	-			
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		U
BENZENE	.5 UG/L		UNV										10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE	.5 UG/L		UNV										10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE	.5 UG/L		UNV										10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL ACETATE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL	1 UG/L		UNV										10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118353	118355	118356	118358	118359
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	DATACHEM	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	1356	1356	1356	1356	1356
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-MAY-93	21-MAY-93	21-MAY-93	21-MAY-93	21-MAY-93
NORTH COORDINATE:	480828.63	480828.63	480828.63	480828.63	480828.63
EAST COORDINATE:	1380037.72	1380037.72	1380037.72	1380037.72	1380037.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	.102 MG/L		U												
ANTIMONY	.045 MG/L		UR												
ARSENIC	.0014 MG/L		J												
BARIUM	.0357 MG/L		-												
BERYLLIUM	.001 MG/L		U												
CADMIUM	.003 MG/L		U												
CALCIUM	90.3 MG/L		-												
CHROMIUM	.004 MG/L		U												
COBALT	.006 MG/L		U												
COPPER	.004 MG/L		U												
CYANIDE	.01 MG/L		U												
IRON	.349 MG/L		-												
LEAD	.0029 MG/L		-												
MAGNESIUM	26.1 MG/L		-												
MANGANESE	2.03 MG/L		-												
MERCURY	.0002 MG/L		U												
NICKEL	.0235 MG/L		U												
POTASSIUM	.437 MG/L		-												
SELENIUM	.002 MG/L		UJ												
SILVER	.003 MG/L		UJ												
SODIUM	32 MG/L		-												
THALLIUM	.001 MG/L		U												
VANADIUM	.0061 MG/L		U												
ZINC	.006 MG/L		U												
RADIONUCLIDES															
URANIUM-238				.7 PCI/L	.8	R	.6 PCI/L	1.9	R						
URANIUM, TOTAL				1.4 UG/L	.1	-	1.6 UG/L	.1	-	2.3 UG/L		NV	1.8 UG/L		NV
URANIUM-234				.8 PCI/L	.7	R	.6 PCI/L	.3	R						
THORIUM-230				.6 PCI/L	.3	J	.3 PCI/L	.2	UJ						
RADIUM-226				1 PCI/L	.4	U	1 PCI/L	.2	U						

SAMPLE NUMBER:	118353			118355			118356			118358			118359		
LAB:	DATACHEM			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-235/236				.1 PCI/L	.5	R	.1 PCI/L	.5	R						
THORIUM-232				.2 PCI/L	.3	UJ	.2 PCI/L	.3	UJ						
THORIUM, TOTAL				.91204196 PCI/L	.3	NV									
RADIUM-228				3 PCI/L	1.2	U	3 PCI/L	1.3	U						
THORIUM-228				.2 PCI/L	.3	UJ	.2 PCI/L	.4	UJ						
TECHNETIUM-99				35 PCI/L	8.3	J	16.2 PCI/L	9.4	UJ						
GROSS ALPHA				4.6 PCI/L	2.8	NV	3.7 PCI/L	2.3	UNV						
GROSS BETA				11.2 PCI/L	4.4	NV	46.6 PCI/L	4	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045338	045339	046000	GW930528-3	GW930528-3
TASK:	3.7	3.7	3.7	50.03.23	50.03.23
LAB:	IT	IT	IT	CORE	CORE
WELL OR BORING NUMBER:	1357	1357	1357	1357	1357
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-OCT-89	09-OCT-89	21-FEB-90	28-MAY-93	28-MAY-93
NORTH COORDINATE:	480808.23	480808.23	480808.23	480808.23	480808.23
EAST COORDINATE:	1380037.7	1380037.7	1380037.7	1380037.7	1380037.7
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE				.1 MG/L		U	.1 MG/L		U						
RADIONUCLIDES															
URANIUM-238										2.5 PCI/L	1.1	J	14.2 PCI/L	2	-
URANIUM, TOTAL	748 UG/L	103	-				941 UG/L	155	-	9.8 UG/L	.7	-	36.2 UG/L	2.5	-
URANIUM-234										2.5 PCI/L	.7	J	13.7 PCI/L	2.1	-
THORIUM-230										.4 PCI/L	.3	J	.3 PCI/L	.2	UJ
RADIUM-226										1 PCI/L	.4	UJ	1.3 PCI/L	.3	J
URANIUM-235/236										.2 PCI/L	.1	UJ	.5 PCI/L	.2	-
THORIUM-232										.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ
RADIUM-228										3 PCI/L	1	UJ	4.7 PCI/L	1.6	-
THORIUM-228										.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ
TECHNETIUM-99										15 PCI/L	7.8	U	15 PCI/L	7.3	U
GROSS ALPHA										4.1 PCI/L	2.1	NV	147 PCI/L	25.7	NV
GROSS BETA										2.4 PCI/L	1.5	UNV	292 PCI/L	23.6	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930528-3	GW930528-3	GW930528-3	GW930528-3	045336
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.7
LAB:	FERMCO	FERMCO	NET	NET	IT
WELL OR BORING NUMBER:	1357	1357	1357	1357	1358
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-MAY-93	28-MAY-93	28-MAY-93	28-MAY-93	10-OCT-89
NORTH COORDINATE:	480808.23	480808.23	480808.23	480808.23	480792.75
EAST COORDINATE:	1380037.7	1380037.7	1380037.7	1380037.7	1380114.61
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										145 MG/L		-			
AMMONIA										.19 MG/L		-			
BICARBONATE ALKALINITY										195 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										33 MG/L		-			
FLUORIDE										.47 MG/L		-			
NITRATE/NITRITE										.02 MG/L		U			
PH										7.79 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.26 MG/L		R			
SPECIFIC CONDUCTIVITY										447 UMHOS/CM		-			
SULFATE										93 MG/L		-			
TOTAL DISSOLVED SOLIDS							388 MG/L		-						
TOTAL KJELDAHL NITROGEN										3.38 MG/L		-			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										3.19 MG/L		-			
TOTAL SOLIDS										4780 MG/L		-			
INORGANICS															
ALUMINUM							10.4 MG/L		-	24.8 MG/L		J			
ANTIMONY							.045 MG/L		U	.045 MG/L		U			
ARSENIC							.102 MG/L		R	.0058 MG/L		R			
BARIUM							.128 MG/L		-	.196 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.0045 MG/L		-	.009 MG/L		-			
CALCIUM							158 MG/L		-	208 MG/L		-			
CHROMIUM							.0129 MG/L		-	.0305 MG/L		J			
COBALT							.0133 MG/L		-	.029 MG/L		-			
COPPER							.0103 MG/L		U	.0367 MG/L		U			
CYANIDE							.01 MG/L		UR	.01 MG/L		UJ			

000059

6417

SAMPLE NUMBER:	GW930528-3			GW930528-3			GW930528-3			GW930528-3			045336		
LAB:	FERMCO			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON							20.4 MG/L		-	43.2 MG/L		J			
LEAD							.0014 MG/L		-	.0276 MG/L		J			
MAGNESIUM							55 MG/L		-	72.4 MG/L		-			
MANGANESE							3.92 MG/L		J	1.84 MG/L		J			
MERCURY							.0002 MG/L		UJ	.0002 MG/L		U			
NICKEL							.0266 MG/L		-	.0493 MG/L		-			
POTASSIUM							2.69 MG/L		J	5.52 MG/L		-			
SELENIUM							.0022 MG/L		J	.001 MG/L		UJ			
SILVER							.007 MG/L		U	.007 MG/L		UJ			
SODIUM							7.2 MG/L		-	28.6 MG/L		-			
THALLIUM							.002 MG/L		UJ	.002 MG/L		UJ			
VANADIUM							.0167 MG/L		-	.0427 MG/L		-			
ZINC							.0547 MG/L		-	.138 MG/L		J			
RADIONUCLIDES															
URANIUM, TOTAL	10 UG/L		NV	67 UG/L		NV							205 UG/L	31	J
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			

SAMPLE NUMBER:	GW930528-3			GW930528-3			GW930528-3			GW930528-3			045336		
LAB:	FERMCO			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045337			046604			046605			045382			045383		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1358			1358			1358			1359			1359		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	10-OCT-89			28-AUG-90			28-JUL-90			09-OCT-89			09-OCT-89		
NORTH COORDINATE:	480792.75			480792.75			480792.75			480803.98			480803.98		
EAST COORDINATE:	1380114.61			1380114.61			1380114.61			1380140.07			1380140.07		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE	.1 MG/L		U				.12 MG/L		-				.1 MG/L		U
RADIONUCLIDES															
URANIUM, TOTAL				228 UG/L	31	-				405 UG/L	59	-			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045384			GW930526-14			GW930526-14			GW930526-14			GW930526-14		
TASK:	3.7			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	IT			CORE			CORE			FERMCO			FERMCO		
WELL OR BORING NUMBER:	1359			1359			1359			1359			1359		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	21-FEB-90			26-MAY-93			26-MAY-93			26-MAY-93			26-MAY-93		
NORTH COORDINATE:	480803.98			480803.98			480803.98			480803.98			480803.98		
EAST COORDINATE:	1380140.07			1380140.07			1380140.07			1380140.07			1380140.07		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE	.48 MG/L		-												
RADIONUCLIDES															
URANIUM-238				111 PCI/L	30	J	102 PCI/L	13	-						
URANIUM, TOTAL	851 UG/L	144	-	498 UG/L	34.9	-	420 UG/L	29.4	-	680 UG/L		NV	550 UG/L		NV
URANIUM-234				182 PCI/L	48.2	J	170 PCI/L	20.2	-						
THORIUM-230				.2 PCI/L	.2	UJ	.2 PCI/L	.4	UJ						
RADIUM-226				1 PCI/L	.3	UJ	1.9 PCI/L	.4	-						
URANIUM-235/236				8.4 PCI/L	3.3	J	9.3 PCI/L	2.4	-						
THORIUM-232				.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ						
RADIUM-228				3 PCI/L	1	U	3 PCI/L	1.2	U						
THORIUM-228				.3 PCI/L	.2	J	.2 PCI/L	.2	UJ						
GROSS ALPHA				302 PCI/L	15	NV	555 PCI/L	59.4	NV						
GROSS BETA				158 PCI/L	7.4	NV	434 PCI/L	36.8	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930526-14	GW930526-14	045340	045341	046610
TASK:	50.03.23	50.03.23	3.7	3.7	3.7
LAB:	NET	NET	IT	IT	IT/RSL
WELL OR BORING NUMBER:	1359	1359	1360	1360	1360
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-MAY-93	26-MAY-93	09-OCT-89	09-OCT-89	28-JUL-90
NORTH COORDINATE:	480803.98	480803.98	480783.43	480783.43	480783.43
EAST COORDINATE:	1380140.07	1380140.07	1380506.36	1380506.36	1380506.36
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY,AS CACO3				292 MG/L		-									
AMMONIA				.05 MG/L		J									
BICARBONATE ALKALINITY				403 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				42 MG/L		-									
FLUORIDE				.38 MG/L		-									
NITRATE				.86 MG/L		-				.1 MG/L		U			
NITRATE/NITRITE				.86 MG/L		-									
PH				7.12 SU		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.22 MG/L		J									
SPECIFIC CONDUCTIVITY				675 UMHOS/CM		-									
SULFATE				69 MG/L		-									
TOTAL DISSOLVED SOLIDS	451 MG/L		-												
TOTAL KJELDAHL NITROGEN				3.29 MG/L		-									
TOTAL ORGANIC CARBON				2 MG/L		-									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				3.24 MG/L		-									
TOTAL SOLIDS				11900 MG/L		-									
INORGANICS															
ALUMINUM	.02 MG/L		U	87.2 MG/L		-									
ANTIMONY	.045 MG/L		U	.045 MG/L		U									
ARSENIC	.002 MG/L		U	.0153 MG/L		J									
BARIUM	.0651 MG/L		-	.553 MG/L		-									
BERYLLIUM	.001 MG/L		U	.004 MG/L		-									
CADMIUM	.003 MG/L		U	.003 MG/L		UJ									
CALCIUM	110 MG/L		-	742 MG/L		-									
CHROMIUM	.005 MG/L		U	.116 MG/L		-									
COBALT	.008 MG/L		U	.0523 MG/L		-									
COPPER	.0038 MG/L		U	.125 MG/L		U									

SAMPLE NUMBER:	GW930526-14			GW930526-14			045340			045341			046610		
LAB:	NET			NET			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE	.01 MG/L		U	.01 MG/L		U									
IRON	.015 MG/L		U	152 MG/L		-									
LEAD	.001 MG/L		U	.0644 MG/L		U									
MAGNESIUM	26.8 MG/L		-	255 MG/L		-									
MANGANESE	.257 MG/L		-	3.2 MG/L		-									
MERCURY	.0002 MG/L		U	.0002 MG/L		UR									
NICKEL	.02 MG/L		U	.13 MG/L		J									
POTASSIUM	.893 MG/L		-	16.9 MG/L		-									
SELENIUM	.0018 MG/L		U	.0068 MG/L		UJ									
SILVER	.007 MG/L		U	.007 MG/L		UR									
SODIUM	10.2 MG/L		-	10.3 MG/L		-									
THALLIUM	.002 MG/L		U	.01 MG/L		U									
VANADIUM	.003 MG/L		U	.136 MG/L		-									
ZINC	.009 MG/L		U	.421 MG/L		U									
RADIONUCLIDES															
URANIUM, TOTAL							440 UG/L	64	-				15 UG/L	2.32	J
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		UJ									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		UJ									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		UJ									
METHYLENE CHLORIDE				10 UG/L		U									

SAMPLE NUMBER:	GW930526-14			GW930526-14			045340			045341			046610		
LAB:	NET			NET			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
STYRENE				10 UG/L		UJ									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		UJ									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		UJ									
XYLENES, TOTAL				10 UG/L		UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046611	EMGW_SYSGEN_332	EMGW_SYSGEN_332D	046675	046676
TASK:	3.7	GWMON	GWMON	3.7	3.7
LAB:	IT	NET	NET	IT	IT
WELL OR BORING NUMBER:	1360	1360	1360	1361	1361
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JUL-90	29-OCT-90	29-OCT-90	07-JAN-91	07-JAN-91
NORTH COORDINATE:	480783.43	480783.43	480783.43	481163.68	481163.68
EAST COORDINATE:	1380506.36	1380506.36	1380506.36	1380165.82	1380165.82
QA TYPE:	NORMAL	NORMAL	DUPLICATE	NORMAL	NORMAL
QC OF:			EMGW_SYSGEN_332		
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE	.1 MG/L		U										.1 MG/L		U
INORGANICS															
LEAD				.149 MG/L		NV	.101 MG/L		NV						
RADIONUCLIDES															
URANIUM, TOTAL										16.2 UG/L	2.5	-			
VOLATILES															
BENZENE				.5 UG/L		UNV	.5 UG/L		UNV						
ETHYLBENZENE				.5 UG/L		UNV	.5 UG/L		UNV						
TOLUENE				.5 UG/L		UNV	.5 UG/L		UNV						
XYLENES, TOTAL				1 UG/L		UNV	1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062964	062964	062964	062964	046674
TASK:	04.23	04.23	04.23	04.23	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1361	1361	1361	1361	1361
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-JUL-92	07-JUL-92	07-JUL-92	07-JUL-92	19-JAN-90
NORTH COORDINATE:	481163.68	481163.68	481163.68	481163.68	481163.68
EAST COORDINATE:	1380165.82	1380165.82	1380165.82	1380165.82	1380165.82
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	F-FIL	F-UNF	NONE-UNF	R-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE													.1 MG/L		U
INORGANICS															
ALUMINUM	.0391 MG/L		-												
ANTIMONY	.03 MG/L		R												
ARSENIC	.0119 MG/L		U												
BARIUM	.228 MG/L		-												
BERYLLIUM	.002 MG/L		U												
CADMIUM	.005 MG/L		UJ												
CALCIUM	225 MG/L		-												
CHROMIUM	.01 MG/L		U												
COBALT	.01 MG/L		U												
COPPER	.01 MG/L		U												
CYANIDE				.002 MG/L		U									
IRON	7.89 MG/L		-												
LEAD	.002 MG/L		U												
MAGNESIUM	69.2 MG/L		-												
MANGANESE	2.37 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.02 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	.342 MG/L		-												
SELENIUM	.002 MG/L		UJ												
SILICON	9.61 MG/L		-												
SILVER	.01 MG/L		R												
SODIUM	29.3 MG/L		-												
THALLIUM	.002 MG/L		UJ												
VANADIUM	.01 MG/L		U												
ZINC	.0097 MG/L		-												

SAMPLE NUMBER:	062964			062964			062964			062964			046674		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			F-UNF			NONE-UNF			R-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						
ALDRIN							.05 UG/L		U						
ALPHA-BHC							.05 UG/L		U						
ALPHA-CHLORDANE							.5 UG/L		U						
AROCLOR-1016							.5 UG/L		U						
AROCLOR-1221							.5 UG/L		U						
AROCLOR-1232							.5 UG/L		U						
AROCLOR-1242							.5 UG/L		U						
AROCLOR-1248							.5 UG/L		U						
AROCLOR-1254							1 UG/L		U						
AROCLOR-1260							1 UG/L		U						
BETA-BHC							.05 UG/L		U						
DELTA-BHC							.05 UG/L		U						
DIELDRIN							.1 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.1 UG/L		U						
ENDRIN KETONE							.1 UG/L		U						
GAMMA-BHC (LINDANE)							.05 UG/L		U						
GAMMA-CHLORDANE							.5 UG/L		U						
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							1 UG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL													38.6 UG/L	7.8	
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U						
1,2-DICHLOROBENZENE							10 UG/L		U						
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							50 UG/L		UJ						
2,4,6-TRICHLOROPHENOL							10 UG/L		UJ						
2,4-DICHLOROPHENOL							10 UG/L		UJ						
2,4-DIMETHYLPHENOL							10 UG/L		UJ						
2,4-DINITROPHENOL							50 UG/L		UJ						
2,4-DINITROTOLUENE							10 UG/L		U						

SAMPLE NUMBER:	062964			062964			062964			062964			046674		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			F-UNF			NONE-UNF			R-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,6-DINITROTOLUENE							10 UG/L		U						
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		UJ						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		UJ						
2-NITROANILINE							50 UG/L		U						
2-NITROPHENOL							10 UG/L		UJ						
3,3'-DICHLOROBENZIDINE							20 UG/L		U						
3-NITROANILINE							50 UG/L		U						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		UJ						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		UJ						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		UJ						
4-NITROANILINE							50 UG/L		U						
4-NITROPHENOL							50 UG/L		UJ						
ACENAPHTHENE							10 UG/L		U						
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		U						
BENZO(B)FLUORANTHENE							10 UG/L		U						
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZOIC ACID							50 UG/L		UJ						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
CARBAZOLE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						
DI-N-OCTYL PHTHALATE							10 UG/L		U						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE										10 UG/L		U			
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						

SAMPLE NUMBER:	062964			062964			062964			062964			046674		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			F-UNF			NONE-UNF			R-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE										10 UG/L		U			
NITROBENZENE							10 UG/L		U						
P-CHLOROANILINE							10 UG/L		U						
PENTACHLOROPHENOL							50 UG/L		UJ						
PHENANTHRENE							10 UG/L		U						
PHENOL							10 UG/L		UJ						
PYRENE							10 UG/L		U						
TRIBUTYL PHOSPHATE							5 UG/L		J						
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U						
1,1,2-TRICHLOROETHANE							5 UG/L		UJ						
1,1-DICHLOROETHANE							5 UG/L		UJ						
1,1-DICHLOROETHENE							5 UG/L		U						
1,2-DICHLOROETHANE							5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		J						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							11 UG/L		U						
BENZENE							5 UG/L		UJ						
BROMODICHLOROMETHANE							5 UG/L		UJ						
BROMOFORM							5 UG/L		UJ						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							5 UG/L		U						
CARBON TETRACHLORIDE							5 UG/L		U						
CHLOROBENZENE							5 UG/L		U						
CHLOROETHANE							1 UG/L		J						
CHLOROFORM							5 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							5 UG/L		U						
DIBROMOCHLOROMETHANE							5 UG/L		UJ						
ETHYLBENZENE							5 UG/L		U						
METHYLENE CHLORIDE							5 UG/L		U						
STYRENE							5 UG/L		U						
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U						
TRICHLOROETHENE							5 UG/L		UJ						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							1 UG/L		J						

SAMPLE NUMBER:	062964			062964			062964			062964			046674		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			F-UNF			NONE-UNF			R-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL							5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930527-5	GW930527-5	GW930527-5	GW930527-5	GW930527-5
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	CORE	FERMCO	FERMCO	LOCKHEED
WELL OR BORING NUMBER:	1361	1361	1361	1361	1361
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-MAY-93	27-MAY-93	27-MAY-93	27-MAY-93	27-MAY-93
NORTH COORDINATE:	481163.68	481163.68	481163.68	481163.68	481163.68
EAST COORDINATE:	1380165.82	1380165.82	1380165.82	1380165.82	1380165.82
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
TOTAL DISSOLVED SOLIDS													850 MG/L		-
INORGANICS															
ALUMINUM													.024 MG/L		U
ANTIMONY													.027 MG/L		U
ARSENIC													.0134 MG/L		J
BARIUM													.264 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM													.002 MG/L		U
CALCIUM													264 MG/L		-
CHROMIUM													.004 MG/L		U
COBALT													.005 MG/L		U
COPPER													.003 MG/L		U
CYANIDE													.02 MG/L		UJ
IRON													7.95 MG/L		-
LEAD													.0011 MG/L		U
MAGNESIUM													76 MG/L		-
MANGANESE													2.85 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.011 MG/L		U
NICKEL													.011 MG/L		U
POTASSIUM													1 MG/L		U
SELENIUM													.001 MG/L		U
SILVER													.004 MG/L		U
SODIUM													27.8 MG/L		-
THALLIUM													.001 MG/L		UJ
VANADIUM													.004 MG/L		U
ZINC													.003 MG/L		U
RADIONUCLIDES															

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URANIUM-238	3.9 PCI/L	1.2	J	.6 PCI/L	.2	R

10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	GW930527-5			GW930527-5			GW930527-5			GW930527-5			GW930527-5		
LAB:	CORE			CORE			FERMCO			FERMCO			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	10.9 UG/L	.8	-	50.5 UG/L	3.5	-	12 UG/L		NV	15 UG/L		NV			
URANIUM-234	3.6 PCI/L	.9	J	.4 PCI/L	.2	R									
THORIUM-230	.6 PCI/L	.3	J	.3 PCI/L	.2	UJ									
RADIUM-226	1 PCI/L	.5	UJ	1 PCI/L	.1	UJ									
URANIUM-235/236	.3 PCI/L	.2	J	.1 PCI/L	.3	R									
THORIUM-232	.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ									
THORIUM, TOTAL				.912 PCI/L	.2	NV									
RADIUM-228	3 PCI/L	.8	UJ	3 PCI/L	1.4	U									
THORIUM-228	.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ									
TECHNETIUM-99	15 PCI/L	7.7	U	15.2 PCI/L	9.2	U									
GROSS ALPHA	9.1 PCI/L	3.8	NV	98.2 PCI/L	33.6	NV									
GROSS BETA	8.3 PCI/L	4.9	UNV	148 PCI/L	30	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930527-5	045399	045400	045401	120379
TASK:	50.03.23	3.7	3.7	3.7	50.03.23
LAB:	LOCKHEED	IT	IT	IT	TCT
WELL OR BORING NUMBER:	1361	1362	1362	1362	1363
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-MAY-93	17-JAN-90	28-JUL-90	28-JUL-90	01-JUL-93
NORTH COORDINATE:	481163.68	481303.91	481303.91	481303.91	481611.99
EAST COORDINATE:	1380165.82	1380840.48	1380840.48	1380840.48	1381150.58
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	1200 MG/L		-										554 MG/L		-
AMMONIA	.21 MG/L		-										.301 MG/L		-
BICARBONATE ALKALINITY	1200 MG/L		-												
CARBONATE ALKALINITY	30 MG/L		U												
CHLORIDE	130 MG/L		-										15.7 MG/L		-
FLUORIDE	.22 MG/L		-										.7 MG/L		-
NITRATE	.051 MG/L		-	.18 MG/L		-				.16 MG/L		-	.2 MG/L		U
NITRATE/NITRITE	.051 MG/L		-										.2 MG/L		U
PH	6.9 SU		-										.0071 MG/L		-
PHENOLS	.15 MG/L		U										.0071 MG/L		-
PHOSPHATE													.169 MG/L		-
PHOSPHORUS	2.1 MG/L		-												
SPECIFIC CONDUCTIVITY	1700 UMHOS/CM		-												
SULFATE	2.3 MG/L		-										184 MG/L		-
SULFIDE													1 MG/L		U
TOTAL KJELDAHL NITROGEN													.242 MG/L		U
TOTAL ORGANIC CARBON	6 MG/L		-										4.4 MG/L		-
TOTAL ORGANIC HALIDES	.48 MG/L		-										.005 MG/L		U
TOTAL ORGANIC NITROGEN	1.6 MG/L		J										.075 MG/L		U
TOTAL SOLIDS	8600 MG/L		-												
INORGANICS															
ALUMINUM	39.8 MG/L		-										7.03 MG/L		-
ANTIMONY	.0305 MG/L		-										.014 MG/L		UJ
ARSENIC	.0044 MG/L		J										.0027 MG/L		U
BARIUM	.59 MG/L		-										.0942 MG/L		-
BERYLLIUM	.0034 MG/L		-										.005 MG/L		UR
CADMIUM	.002 MG/L		U										.0141 MG/L		J
CALCIUM	434 MG/L		-										152 MG/L		-
CHROMIUM	.0503 MG/L		-										.0086 MG/L		J
COBALT	.0362 MG/L		-										.017 MG/L		UR

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SAMPLE NUMBER:	GW930527-5			045399			045400			045401			120379		
LAB:	LOCKHEED			IT			IT			IT			TCT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER	.0783 MG/L		-										.0146 MG/L		R
CYANIDE	.02 MG/L		U										.005 MG/L		U
IRON	104 MG/L		-										6.47 MG/L		-
LEAD	.0318 MG/L		-										.0028 MG/L		UJ
MAGNESIUM	129 MG/L		-										74.3 MG/L		-
MANGANESE	4.6 MG/L		-										.229 MG/L		-
MERCURY	.0002 MG/L		U										.00025 MG/L		U
MOLYBDENUM	.011 MG/L		U										.017 MG/L		U
NICKEL	.0838 MG/L		-										.018 MG/L		UR
POTASSIUM	5.05 MG/L		-										6.01 MG/L		-
SELENIUM	.01 MG/L		U										.005 MG/L		UJ
SILICON													14.3 MG/L		-
SILVER	.004 MG/L		U										.002 MG/L		UJ
SODIUM	29.2 MG/L		-										12.2 MG/L		-
THALLIUM	.001 MG/L		U										.001 MG/L		UR
VANADIUM	.0519 MG/L		-										.024 MG/L		UR
ZINC	.229 MG/L		-										.0418 MG/L		R
RADIONUCLIDES															
URANIUM, TOTAL				180 UG/L	26	-	135 UG/L	19	-						
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1,2-TRICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1-DICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1-DICHLOROETHENE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U										10 UG/L		U
1,2-DICHLOROPROPANE	10 UG/L		U										10 UG/L		U
2-BUTANONE	10 UG/L		U										10 UG/L		UJ
2-HEXANONE	10 UG/L		U										10 UG/L		UJ
4-METHYL-2-PENTANONE	10 UG/L		U										10 UG/L		UJ
ACETONE	10 UG/L		U										10 UG/L		UJ
BENZENE	10 UG/L		U										10 UG/L		U
BROMODICHLOROMETHANE	10 UG/L		U										10 UG/L		U
BROMOFORM	10 UG/L		U										10 UG/L		U
BROMOMETHANE	10 UG/L		U										10 UG/L		UJ
CARBON DISULFIDE	10 UG/L		U										10 UG/L		UJ
CARBON TETRACHLORIDE	10 UG/L		U										10 UG/L		U
CHLOROBENZENE	10 UG/L		U										10 UG/L		U
CHLOROETHANE	10 UG/L		U										10 UG/L		U
CHLOROFORM	10 UG/L		U										10 UG/L		U
CHLOROMETHANE	10 UG/L		UJ										10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	GW930527-5			045399			045400			045401			120379		
LAB:	LOCKHEED			IT			IT			IT			TCT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
DIBROMOCHLOROMETHANE	10 UG/L		U										10 UG/L		U
ETHYLBENZENE	10 UG/L		U										10 UG/L		U
METHYLENE CHLORIDE	10 UG/L		U										10 UG/L		U
STYRENE	10 UG/L		U										10 UG/L		U
TETRACHLOROETHENE	10 UG/L		U										10 UG/L		U
TOLUENE	10 UG/L		U										10 UG/L		U
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U										10 UG/L		U
TRICHLOROETHENE	10 UG/L		U										10 UG/L		U
VINYL ACETATE													10 UG/L		U
VINYL CHLORIDE	10 UG/L		UJ										10 UG/L		UJ
XYLENES, TOTAL	10 UG/L		U										10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120379F	120381	120381F	120382	120383
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	TCT	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	1363	1363	1363	1363	1363
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-JUL-93	01-JUL-93	01-JUL-93	01-JUL-93	01-JUL-93
NORTH COORDINATE:	481611.99	481611.99	481611.99	481611.99	481611.99
EAST COORDINATE:	1381150.58	1381150.58	1381150.58	1381150.58	1381150.58
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	.178 MG/L		U												
ANTIMONY	.014 MG/L		UJ												
ARSENIC	.0029 MG/L		U												
BARIUM	.0584 MG/L		-												
BERYLLIUM	.005 MG/L		UR												
CADMIUM	.005 MG/L		U												
CALCIUM	135 MG/L		-												
CHROMIUM	.006 MG/L		U												
COBALT	.017 MG/L		UR												
COPPER	.0099 MG/L		R												
CYANIDE	.005 MG/L		U												
IRON	.033 MG/L		U												
LEAD	.0013 MG/L		UJ												
MAGNESIUM	68.8 MG/L		-												
MANGANESE	.0512 MG/L		R												
MERCURY	.00024 MG/L		U												
MOLYBDENUM	.017 MG/L		U												
NICKEL	.018 MG/L		UR												
POTASSIUM	2.24 MG/L		-												
SELENIUM	.005 MG/L		UJ												
SILICON	6.75 MG/L		-												
SILVER	.002 MG/L		U												
SODIUM	12.6 MG/L		-												
THALLIUM	.001 MG/L		UR												
VANADIUM	.024 MG/L		UR												
ZINC	.006 MG/L		UR												
RADIONUCLIDES															
URANIUM-238				3.8 PCI/L	.7	-	3 PCI/L	1.5	J						
URANIUM, TOTAL				9.8 UG/L	.7	-	10.4 UG/L	.7	-				1.4 UG/L		NV
URANIUM-234				4.1 PCI/L	.8	J	3.9 PCI/L	.8	J						

SAMPLE NUMBER:	120379F			120381			120381F			120382			120383		
LAB:	TCT			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230				.5 PCI/L	.3	J	.3 PCI/L	.2	UJ						
RADIUM-226				1.7 PCI/L	.4	J	1 PCI/L	.3	U						
URANIUM-235/236				.3 PCI/L	.4	-	.2 PCI/L	.3	UJ						
THORIUM-232				.2 PCI/L	1	U	.2 PCI/L	.3	UJ						
THORIUM, TOTAL				1.8240736 PCI/L	1	NV	.9120244 PCI/L	.3	NV						
RADIUM-228				3 PCI/L	1	U	3 PCI/L	1.5	U						
THORIUM-228				.4 PCI/L	1.4	-	.2 PCI/L	.4	UJ						
TECHNETIUM-99				15 PCI/L	8.2	U	16.3 PCI/L	9.6	UJ						
GROSS ALPHA				11.7 PCI/L	4.2	NV	11.5 PCI/L	3.9	NV	160 PCI/L		UNV			
GROSS BETA				9.4 PCI/L	5.3	NV	15.3 PCI/L	4.2	NV	480 PCI/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120383F			046616			046616			046616			046617		
TASK:	50.03.23			3.7			3.7			3.7			3.7		
LAB:	FERMCO			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1363			1363			1363			1363			1363		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	01-JUL-93			14-JUN-90			14-JUN-90			14-JUN-90			14-JUN-90		
NORTH COORDINATE:	481611.99			481611.99			481611.99			481611.99			481611.99		
EAST COORDINATE:	1381150.58			1381150.58			1381150.58			1381150.58			1381150.58		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													046616		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			R-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM				.0696 MG/L		-							.0644 MG/L		-
ANTIMONY				.03 MG/L		U							.03 MG/L		U
ARSENIC				.002 MG/L		U							.002 MG/L		U
BARIUM				.0704 MG/L		-							.0636 MG/L		-
BERYLLIUM				.002 MG/L		U							.002 MG/L		U
CADMIUM				.0096 MG/L		J							.0093 MG/L		J
CALCIUM				127 MG/L		-							128 MG/L		-
CHROMIUM				.0393 MG/L		J							.0384 MG/L		J
COBALT				.01 MG/L		U							.01 MG/L		U
COPPER				.0115 MG/L		-							.0113 MG/L		-
CYANIDE							.002 MG/L		U						
IRON				.0275 MG/L		U							.0301 MG/L		U
LEAD				.002 MG/L		UJ							.002 MG/L		UJ
MAGNESIUM				61.4 MG/L		-							62 MG/L		-
MANGANESE				.126 MG/L		-							.123 MG/L		-
MERCURY				.0002 MG/L		UR							.0002 MG/L		UR
MOLYBDENUM				.012 MG/L		-							.0112 MG/L		-
NICKEL				.0244 MG/L		-							.02 MG/L		U
POTASSIUM				3.37 MG/L		-							3.37 MG/L		-
SELENIUM				.002 MG/L		UJ							.002 MG/L		UJ
SILVER				.02 MG/L		-							.02 MG/L		-
SODIUM				12.9 MG/L		-							12.8 MG/L		-
THALLIUM				.002 MG/L		U							.002 MG/L		U
VANADIUM				.0202 MG/L		-							.0187 MG/L		-
ZINC				.018 MG/L		U							.0143 MG/L		U
PESTICIDES															
4,4'-DDD							.1 UG/L		U						
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						
ALDRIN							.05 UG/L		U						

SAMPLE NUMBER:	120383F			046616			046616			046616			046617		
LAB:	FERMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			R-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALPHA-BHC							.05 UG/L		U						
ALPHA-CHLORDANE							.5 UG/L		U						
AROCLOR-1016							.5 UG/L		U						
AROCLOR-1221							.5 UG/L		U						
AROCLOR-1232							.5 UG/L		U						
AROCLOR-1242							.5 UG/L		U						
AROCLOR-1248							.5 UG/L		U						
AROCLOR-1254							1 UG/L		U						
AROCLOR-1260							1 UG/L		U						
BETA-BHC							.05 UG/L		U						
DELTA-BHC							.05 UG/L		U						
DIELDRIN							.1 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.1 UG/L		U						
ENDRIN KETONE							.1 UG/L		U						
GAMMA-BHC (LINDANE)							.05 UG/L		U						
GAMMA-CHLORDANE							.5 UG/L		U						
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							1 UG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL	11 UG/L		NV												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U	10 UG/L		UR			
1,2-DICHLOROBENZENE							10 UG/L		U	10 UG/L		UR			
1,3-DICHLOROBENZENE							10 UG/L		U	10 UG/L		UR			
1,4-DICHLOROBENZENE							10 UG/L		U	10 UG/L		UR			
2,4,5-TRICHLOROPHENOL							50 UG/L		U	50 UG/L		UR			
2,4,6-TRICHLOROPHENOL							10 UG/L		U	10 UG/L		UR			
2,4-DICHLOROPHENOL							10 UG/L		U	10 UG/L		UR			
2,4-DIMETHYLPHENOL							10 UG/L		U	10 UG/L		UR			
2,4-DINITROPHENOL							50 UG/L		U	50 UG/L		UR			
2,4-DINITROTOLUENE							10 UG/L		U	10 UG/L		UR			
2,6-DINITROTOLUENE							10 UG/L		U	10 UG/L		UR			
2-CHLORONAPHTHALENE							10 UG/L		UJ	10 UG/L		UR			
2-CHLOROPHENOL							10 UG/L		U	10 UG/L		UR			
2-METHYLNAPHTHALENE							10 UG/L		UJ	10 UG/L		UR			
2-METHYLPHENOL							10 UG/L		UJ	10 UG/L		UR			
2-NITROANILINE							50 UG/L		U	50 UG/L		UR			
2-NITROPHENOL							10 UG/L		U	10 UG/L		UR			

SAMPLE NUMBER:	120383F	046616	046616	046616	046617
LAB:	FERMCO	IT	IT	IT	IT
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	R-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
3,3'-DICHLOROBENZIDINE							20 UG/L		UJ	20 UG/L		UR			
3-NITROANILINE							50 UG/L		U	50 UG/L		UR			
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		UJ	50 UG/L		UR			
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U	10 UG/L		UR			
4-CHLORO-3-METHYLPHENOL							10 UG/L		U	10 UG/L		UR			
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U	10 UG/L		UR			
4-METHYLPHENOL							10 UG/L		UJ	10 UG/L		UR			
4-NITROANILINE							50 UG/L		U	50 UG/L		UR			
4-NITROPHENOL							50 UG/L		U	50 UG/L		UR			
ACENAPHTHENE							10 UG/L		U	10 UG/L		UR			
ACENAPHTHYLENE							10 UG/L		UJ	10 UG/L		UR			
ANTHRACENE							10 UG/L		U	10 UG/L		UR			
BENZO(A)ANTHRACENE							10 UG/L		U	10 UG/L		UR			
BENZO(A)PYRENE							10 UG/L		U	10 UG/L		UR			
BENZO(B)FLUORANTHENE							10 UG/L		U	10 UG/L		UR			
BENZO(G,H,I)PERYLENE							10 UG/L		UJ	10 UG/L		UR			
BENZO(K)FLUORANTHENE							10 UG/L		U	10 UG/L		UR			
BENZOIC ACID							50 UG/L		UJ	50 UG/L		UR			
BENZYL ALCOHOL							10 UG/L		UJ	10 UG/L		UR			
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		UJ	10 UG/L		UR			
BIS(2-CHLOROETHYL)ETHER							10 UG/L		UJ	10 UG/L		UR			
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		UJ	10 UG/L		UR			
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		UJ	10 UG/L		UR			
BUTYL BENZYL PHTHALATE							10 UG/L		U	10 UG/L		UR			
CHRYSENE							10 UG/L		U	10 UG/L		UR			
DI-N-BUTYL PHTHALATE							10 UG/L		UJ	10 UG/L		UR			
DI-N-OCTYL PHTHALATE							10 UG/L		U	10 UG/L		UR			
DIBENZO(A,H)ANTHRACENE							10 UG/L		UJ	10 UG/L		UR			
DIBENZOFURAN							10 UG/L		U	10 UG/L		UR			
DIETHYL PHTHALATE							10 UG/L		U	10 UG/L		UR			
DIMETHYL PHTHALATE							10 UG/L		U	10 UG/L		UR			
FLUORANTHENE							10 UG/L		U	10 UG/L		UR			
FLUORENE							10 UG/L		UJ	10 UG/L		UR			
HEXACHLOROBENZENE							10 UG/L		U	10 UG/L		UR			
HEXACHLOROBUTADIENE							10 UG/L		U	10 UG/L		UR			
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U	10 UG/L		UR			
HEXACHLOROETHANE							10 UG/L		UJ	10 UG/L		UR			
INDENO(1,2,3-CD)PYRENE							10 UG/L		UJ	10 UG/L		UR			
ISOPHORONE							10 UG/L		U	10 UG/L		UR			
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		UJ	10 UG/L		UR			
N-NITROSODIPHENYLAMINE							10 UG/L		U	10 UG/L		UR			
NAPHTHALENE							10 UG/L		UJ	10 UG/L		UR			
NITROBENZENE							10 UG/L		U	10 UG/L		UR			
P-CHLOROANILINE							10 UG/L		U	10 UG/L		UR			
PENTACHLOROPHENOL							50 UG/L		U	50 UG/L		UR			
PHENANTHRENE							10 UG/L		U	10 UG/L		UR			

SAMPLE NUMBER:	120383F			046616			046616			046616			046617		
LAB:	FERMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			R-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PHENOL							1 UG/L		J	10 UG/L		UR			
PYRENE							10 UG/L		UJ	10 UG/L		UR			
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		UJ						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHENE							5 UG/L		U						
1,2-DICHLOROETHANE							5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		U						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							10 UG/L		UJ						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		R						
BENZENE							5 UG/L		U						
BROMODICHLOROMETHANE							5 UG/L		U						
BROMOFORM							5 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							5 UG/L		U						
CARBON TETRACHLORIDE							5 UG/L		U						
CHLOROBENZENE							5 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							5 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							5 UG/L		U						
DIBROMOCHLOROMETHANE							5 UG/L		U						
ETHYLBENZENE							5 UG/L		U						
METHYLENE CHLORIDE							5 UG/L		U						
STYRENE							5 UG/L		U						
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U						
TRICHLOROETHENE							5 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		U						

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A20000
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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046617	046617	045331	046618	045330
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1363	1363	1363	1363	1363
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-JUN-90	14-JUN-90	15-JUN-90	15-JUN-90	19-JAN-90
NORTH COORDINATE:	481611.99	481611.99	481611.99	481611.99	481611.99
EAST COORDINATE:	1381150.58	1381150.58	1381150.58	1381150.58	1381150.58
QA TYPE:	DUPLICATE	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:	046616	046616			
SUFFIX/FILTERFLAG:	NONE-UNF	R-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE										.1 MG/L		U	.1 MG/L		U
INORGANICS															
CYANIDE	.002 MG/L		U												
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.5 UG/L		U												
AROCLOR-1016	.5 UG/L		U												
AROCLOR-1221	.5 UG/L		U												
AROCLOR-1232	.5 UG/L		U												
AROCLOR-1242	.5 UG/L		U												
AROCLOR-1248	.5 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.5 UG/L		U												
HEPTACHLOR	.05 UG/L		U												

SAMPLE NUMBER:	046617			046617			045331			046618			045330		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			R-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	1 UG/L		U												
RADIONUCLIDES															
URANIUM, TOTAL							41.6 UG/L	7.1	J				111 UG/L	17	-
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U	10 UG/L		UR									
1,2-DICHLOROBENZENE	10 UG/L		U	10 UG/L		UR									
1,3-DICHLOROBENZENE	10 UG/L		U	10 UG/L		UR									
1,4-DICHLOROBENZENE	10 UG/L		U	10 UG/L		UR									
2,4,5-TRICHLOROPHENOL	50 UG/L		U	50 UG/L		UR									
2,4,6-TRICHLOROPHENOL	10 UG/L		U	10 UG/L		UR									
2,4-DICHLOROPHENOL	10 UG/L		U	10 UG/L		UR									
2,4-DIMETHYLPHENOL	10 UG/L		U	10 UG/L		UR									
2,4-DINITROPHENOL	50 UG/L		U	50 UG/L		UR									
2,4-DINITROTOLUENE	10 UG/L		U	10 UG/L		UR									
2,6-DINITROTOLUENE	10 UG/L		U	10 UG/L		UR									
2-CHLORONAPHTHALENE	10 UG/L		UJ	10 UG/L		UR									
2-CHLOROPHENOL	10 UG/L		U	10 UG/L		UR									
2-METHYLNAPHTHALENE	10 UG/L		UJ	10 UG/L		UR									
2-METHYLPHENOL	10 UG/L		UJ	10 UG/L		UR									
2-NITROANILINE	50 UG/L		U	50 UG/L		UR									
2-NITROPHENOL	10 UG/L		U	10 UG/L		UR									
3,3'-DICHLOROBENZIDINE	20 UG/L		UJ	20 UG/L		UR									
3-NITROANILINE	50 UG/L		U	50 UG/L		UR									
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		UJ	50 UG/L		UR									
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U	10 UG/L		UR									
4-CHLORO-3-METHYLPHENOL	10 UG/L		U	10 UG/L		UR									
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U	10 UG/L		UR									
4-METHYLPHENOL	10 UG/L		UJ	10 UG/L		UR									
4-NITROANILINE	50 UG/L		UR	50 UG/L		UR									
4-NITROPHENOL	50 UG/L		U	50 UG/L		UR									
ACENAPHTHENE	10 UG/L		U	10 UG/L		UR									
ACENAPHTHYLENE	10 UG/L		UJ	10 UG/L		UR									
ANTHRACENE	10 UG/L		U	10 UG/L		UR									
BENZO(A)ANTHRACENE	10 UG/L		U	10 UG/L		UR									
BENZO(A)PYRENE	10 UG/L		U	10 UG/L		UR									
BENZO(B)FLUORANTHENE	10 UG/L		U	10 UG/L		UR									
BENZO(G,H,I)PERYLENE	10 UG/L		UJ	10 UG/L		UR									
BENZO(K)FLUORANTHENE	10 UG/L		U	10 UG/L		UR									
BENZOIC ACID	50 UG/L		UJ	50 UG/L		UR									
BENZYL ALCOHOL	10 UG/L		UJ	10 UG/L		UR									
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		UJ	10 UG/L		UR									

SAMPLE NUMBER:	046617			046617			045331			046618			045330		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			R-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BIS(2-CHLOROETHYL)ETHER	10 UG/L		UJ	10 UG/L		UR									
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UJ	10 UG/L		UR									
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		UJ	10 UG/L		UR									
BUTYL BENZYL PHTHALATE	10 UG/L		U	10 UG/L		UR									
CHRYSENE	10 UG/L		U	10 UG/L		UR									
DI-N-BUTYL PHTHALATE	10 UG/L		UJ	10 UG/L		UR									
DI-N-OCTYL PHTHALATE	10 UG/L		U	10 UG/L		UR									
DIBENZO(A,H)ANTHRACENE	10 UG/L		UJ	10 UG/L		UR									
DIBENZOFURAN	10 UG/L		U	10 UG/L		UR									
DIETHYL PHTHALATE	10 UG/L		UR	1 UG/L		J									
DIMETHYL PHTHALATE	10 UG/L		U	10 UG/L		UR									
FLUORANTHENE	10 UG/L		U	10 UG/L		UR									
FLUORENE	10 UG/L		UJ	10 UG/L		UR									
HEXACHLOROBENZENE	10 UG/L		U	10 UG/L		UR									
HEXACHLOROBUTADIENE	10 UG/L		U	10 UG/L		UR									
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U	10 UG/L		UR									
HEXACHLOROETHANE	10 UG/L		UJ	10 UG/L		UR									
INDENO(1,2,3-CD)PYRENE	10 UG/L		UJ	10 UG/L		UR									
ISOPHORONE	10 UG/L		U	10 UG/L		UR									
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		UJ	10 UG/L		UR									
N-NITROSODIPHENYLAMINE	10 UG/L		U	10 UG/L		UR									
NAPHTHALENE	10 UG/L		UJ	10 UG/L		UR									
NITROBENZENE	10 UG/L		U	10 UG/L		UR									
P-CHLOROANILINE	10 UG/L		U	10 UG/L		UR									
PENTACHLOROPHENOL	50 UG/L		U	50 UG/L		UR									
PHENANTHRENE	10 UG/L		U	10 UG/L		UR									
PHENOL	10 UG/L		U	10 UG/L		UR									
PYRENE	10 UG/L		UJ	10 UG/L		UR									
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	5 UG/L		UJ												
1,1,2-TRICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHENE	5 UG/L		U												
1,2-DICHLOROETHANE	5 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U												
1,2-DICHLOROPROPANE	5 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		UJ												
BENZENE	5 UG/L		U												
BROMODICHLOROMETHANE	5 UG/L		U												
BROMOFORM	5 UG/L		U												

SAMPLE NUMBER:	046617			046617			045331			046618			045330		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			R-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	5 UG/L		U												
CARBON TETRACHLORIDE	5 UG/L		U												
CHLOROBENZENE	5 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	5 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	5 UG/L		U												
DIBROMOCHLOROMETHANE	5 UG/L		U												
ETHYLBENZENE	5 UG/L		U												
METHYLENE CHLORIDE	24 UG/L		U												
STYRENE	5 UG/L		U												
TETRACHLOROETHENE	1 UG/L		J												
TOLUENE	5 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U												
TRICHLOROETHENE	5 UG/L		U												
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	5 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW920525-12	118280	118281	118282	118283
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	DATACHEM	DATACHEM	CORE	CORE
WELL OR BORING NUMBER:	1363	1403	1403	1403	1403
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-MAY-93	16-MAY-93	16-MAY-93	16-MAY-93	16-MAY-93
NORTH COORDINATE:	481611.99	479781.6	479781.6	479781.6	479781.6
EAST COORDINATE:	1381150.58	1380561.35	1380561.35	1380561.35	1380561.35
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.05 MG/L		U									
NITRATE/NITRITE				2.1 MG/L		-									
PHENOLS				.02 MG/L		U									
PHOSPHORUS				.35 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL ORGANIC CARBON				3 MG/L		-									
TOTAL ORGANIC HALIDES				.03 MG/L		-									
INORGANICS															
ALUMINUM				3.2 MG/L		-	.014 MG/L		U						
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.0023 MG/L		UJ	.001 MG/L		UJ						
BARIUM				.126 MG/L		-	.0983 MG/L		-						
BERYLLIUM				.0019 MG/L		U	.001 MG/L		U						
CADMIUM				.003 MG/L		U	.003 MG/L		U						
CALCIUM				175 MG/L		-	148 MG/L		-						
CHROMIUM				.0094 MG/L		UJ	.004 MG/L		UJ						
COBALT				.0089 MG/L		-	.006 MG/L		U						
COPPER				.0302 MG/L		U	.0095 MG/L		U						
CYANIDE				.01 MG/L		U	.01 MG/L		U						
IRON				8.29 MG/L		-	.0196 MG/L		U						
LEAD				.0026 MG/L		U	.0012 MG/L		J						
MAGNESIUM				58.3 MG/L		-	46.5 MG/L		-						
MANGANESE				1.16 MG/L		-	.0633 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.0495 MG/L		U	.019 MG/L		U						
POTASSIUM				2.02 MG/L		U	.849 MG/L		U						
SELENIUM				.001 MG/L		R	.0011 MG/L		R						
SILVER				.003 MG/L		UJ	.003 MG/L		UJ						
SODIUM				8.64 MG/L		-	8.53 MG/L		-						
THALLIUM				.001 MG/L		U	.001 MG/L		U						

SAMPLE NUMBER:	GW920525-12			118280			118281			118282			118283		
LAB:	CORE			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
VANADIUM				.0198 MG/L		U	.0077 MG/L		U						
ZINC				.0333 MG/L		U	.006 MG/L		U						
RADIONUCLIDES															
URANIUM-238	.2 PCI/L	.3	U							14.3 PCI/L	2	J	20.4 PCI/L	2.7	J
URANIUM, TOTAL	.1 UG/L	.1	U							47.5 UG/L	3.3	J	47.7 UG/L	3.3	-
URANIUM-234	.2 PCI/L	.5	U							15.5 PCI/L	2.2	J	19.6 PCI/L	2.6	J
THORIUM-230	.4 PCI/L	.3	R							.4 PCI/L	.3	J	.4 PCI/L	.3	J
RADIUM-226	1 PCI/L	.3	UJ							1 PCI/L	.6	UJ	1.2 PCI/L	.6	U
URANIUM-235/236	.2 PCI/L	.1	U							.5 PCI/L	.5	J	.9 PCI/L	.3	J
THORIUM-232	.3 PCI/L	1	R							.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ
THORIUM, TOTAL										1.82404424 PCI/L	.2	NV			
RADIUM-228	3 PCI/L	1.1	U							3 PCI/L	1	UJ	3 PCI/L	1.3	U
THORIUM-228	1.4 PCI/L	1.4	R							.2 PCI/L	.2	UJ	.6 PCI/L	.3	J
GROSS ALPHA	.1 PCI/L	.4	NV							16.4 PCI/L	5.3	NV	24.3 PCI/L	6	NV
GROSS BETA	2.3 PCI/L	1	NV							22.8 PCI/L	5.3	NV	15.9 PCI/L	3.9	NV
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		J									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		UJ									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									

SAMPLE NUMBER:	GW920525-12			118280			118281			118282			118283		
LAB:	CORE			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118285			118286			045316			045317			046620		
TASK:	50.03.23			50.03.23			3.7			3.7			3.7		
LAB:	FERMCO			FERMCO			IT			IT/RSL			IT		
WELL OR BORING NUMBER:	1403			1403			1403			1403			1403		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-MAY-93			16-MAY-93			22-JAN-90			23-AUG-90			23-AUG-90		
NORTH COORDINATE:	479781.6			479781.6			479781.6			479781.6			479781.6		
EAST COORDINATE:	1380561.35			1380561.35			1380561.35			1380561.35			1380561.35		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE							1.3 MG/L		-				1.1 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	46 UG/L		NV	43 UG/L		NV	38 UG/L	6.2	-	49.5 UG/L	6.8	-			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046621	046622	046624	046625	046625
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT/RSL	IT	IT	IT	IT
WELL OR BORING NUMBER:	1403	1403	1411	1411	1411
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-AUG-90	23-AUG-90	13-JUN-90	14-JUN-90	14-JUN-90
NORTH COORDINATE:	479781.6	479781.6	479800.96	479800.96	479800.96
EAST COORDINATE:	1380561.35	1380561.35	1379914.91	1379914.91	1379914.91
QA TYPE:	DUPLICATE	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:	045317	046620			
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE				1.1 MG/L		-	.1 MG/L		U						
INORGANICS															
ALUMINUM										.103 MG/L		-			
ANTIMONY										.03 MG/L		U			
ARSENIC										.0027 MG/L		J			
BARIUM										.164 MG/L		-			
BERYLLIUM										.002 MG/L		U			
CADMIUM										.004 MG/L		J			
CALCIUM										69.7 MG/L		-			
CHROMIUM										.0367 MG/L		J			
COBALT										.01 MG/L		U			
COPPER										.01 MG/L		U			
CYANIDE													.002 MG/L		U
IRON										2.65 MG/L		-			
LEAD										.002 MG/L		UJ			
MAGNESIUM										16.4 MG/L		-			
MANGANESE										1.79 MG/L		-			
MERCURY										.0002 MG/L		UR			
MOLYBDENUM										.0176 MG/L		-			
NICKEL										.0379 MG/L		-			
POTASSIUM										.974 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILVER										.0172 MG/L		-			
SODIUM										45.4 MG/L		-			
THALLIUM										.002 MG/L		U			
VANADIUM										.0152 MG/L		-			
ZINC										.0224 MG/L		U			
PESTICIDES															

SAMPLE NUMBER:	046621			046622			046624			046625			046625		
LAB:	IT/RSL			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDE													.1 UG/L		U
4,4'-DDT													.1 UG/L		U
ALDRIN													.05 UG/L		U
ALPHA-BHC													.05 UG/L		U
ALPHA-CHLORDANE													.5 UG/L		U
AROCLOR-1016													.5 UG/L		U
AROCLOR-1221													.5 UG/L		U
AROCLOR-1232													.5 UG/L		U
AROCLOR-1242													.5 UG/L		U
AROCLOR-1248													.5 UG/L		U
AROCLOR-1254													1 UG/L		U
AROCLOR-1260													1 UG/L		U
BETA-BHC													.05 UG/L		U
DELTA-BHC													.05 UG/L		U
DIELDRIN													.1 UG/L		U
ENDOSULFAN II													.1 UG/L		U
ENDOSULFAN SULFATE													.1 UG/L		U
ENDOSULFAN-I													.05 UG/L		U
ENDRIN													.1 UG/L		U
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.05 UG/L		U
GAMMA-CHLORDANE													.5 UG/L		U
HEPTACHLOR													.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
TOXAPHENE													1 UG/L		U
RADIONUCLIDES															
URANIUM, TOTAL	49.8 UG/L	6.9	-												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													50 UG/L		UR
2,4,6-TRICHLOROPHENOL													10 UG/L		UR
2,4-DICHLOROPHENOL													10 UG/L		UR
2,4-DIMETHYLPHENOL													10 UG/L		UR
2,4-DINITROPHENOL													50 UG/L		UR
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		UJ
2-CHLOROPHENOL													10 UG/L		UR

SAMPLE NUMBER:	046621			046622			046624			046625			046625		
LAB:	IT/RSL			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-METHYLNAPHTHALENE													10 UG/L		UJ
2-METHYLPHENOL													10 UG/L		UR
2-NITROANILINE													50 UG/L		U
2-NITROPHENOL													10 UG/L		UR
3,3'-DICHLOROBENZIDINE													20 UG/L		UJ
3-NITROANILINE													50 UG/L		U
4,6-DINITRO-2-METHYLPHENOL													50 UG/L		UR
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		UR
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		UR
4-NITROANILINE													50 UG/L		U
4-NITROPHENOL													50 UG/L		UR
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		UJ
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		UJ
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		UJ
BENZO(K)FLUORANTHENE													10 UG/L		U
BENZOIC ACID													50 UG/L		UR
BENZYL ALCOHOL													10 UG/L		UJ
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		UJ
BIS(2-CHLOROETHYL)ETHER													10 UG/L		UJ
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		UJ
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		UJ
BUTYL BENZYL PHTHALATE													10 UG/L		UJ
CHRYSENE													10 UG/L		UJ
DI-N-BUTYL PHTHALATE													10 UG/L		UJ
DI-N-OCTYL PHTHALATE													10 UG/L		U
DIBENZO(A,H)ANTHRACENE													10 UG/L		UJ
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		UJ
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		U
HEXACHLOROETHANE													10 UG/L		UJ
INDENO(1,2,3-CD)PYRENE													10 UG/L		UJ
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		UJ
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		UJ

SAMPLE NUMBER:	046621			046622			046624			046625			046625		
LAB:	IT/RSL			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													50 UG/L		UR
PHENANTHRENE													10 UG/L		U
PHENOL													10 UG/L		UR
PYRENE													10 UG/L		UJ
VOLATILES															
1,1,1-TRICHLOROETHANE													5 UG/L		-
1,1,2,2-TETRACHLOROETHANE													5 UG/L		UJ
1,1,2-TRICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHANE													21 UG/L		-
1,1-DICHLOROETHENE													3 UG/L		J
1,2-DICHLOROETHANE													5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													550 UG/L		R
1,2-DICHLOROPROPANE													5 UG/L		U
2-BUTANONE													10 UG/L		UJ
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		UR
BENZENE													5 UG/L		U
BROMODICHLOROMETHANE													5 UG/L		U
BROMOFORM													5 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													5 UG/L		U
CARBON TETRACHLORIDE													5 UG/L		U
CHLOROBENZENE													5 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													5 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													5 UG/L		U
DIBROMOCHLOROMETHANE													5 UG/L		U
ETHYLBENZENE													5 UG/L		U
METHYLENE CHLORIDE													5 UG/L		U
STYRENE													5 UG/L		U
TETRACHLOROETHENE													43 UG/L		-
TOLUENE													5 UG/L		U
TRANS-1,3-DICHLOROPROPENE													5 UG/L		U
TRICHLOROETHENE													92 UG/L		-
VINYL ACETATE													10 UG/L		U
VINYL CHLORIDE													7 UG/L		-
XYLENES, TOTAL													5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045255	046998	045267	045267	045267
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1411	1412	1412	1412	1412
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-JAN-90	04-OCT-90	05-JUN-90	05-JUN-90	05-JUN-90
NORTH COORDINATE:	479800.96	480702.37	480702.37	480702.37	480702.37
EAST COORDINATE:	1379914.91	1380398.11	1380398.11	1380398.11	1380398.11
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	DL-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE	.1 MG/L		U	.1 MG/L		U									
INORGANICS															
ALUMINUM							.101 MG/L		-						
ANTIMONY							.03 MG/L		U						
ARSENIC							.002 MG/L		UJ						
BARIUM							.0675 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.0036 MG/L		J						
CALCIUM							65.1 MG/L		-						
CHROMIUM							.0331 MG/L		J						
COBALT							.01 MG/L		U						
COPPER							.01 MG/L		U						
CYANIDE							.002 MG/L		UJ						
IRON							.0367 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							18.5 MG/L		-						
MANGANESE							.38 MG/L		-						
MERCURY							.0002 MG/L		UR						
MOLYBDENUM							.01 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							1.31 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILVER							.0153 MG/L		-						
SODIUM							42.5 MG/L		-						
THALLIUM							.0028 MG/L		J						
VANADIUM							.0147 MG/L		-						
ZINC							.0126 MG/L		U						
PESTICIDES															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045255			046998			045267			045267			045267		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			DL-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDE										1 UG/L		U			
4,4'-DDT										1 UG/L		U			
ALDRIN										.5 UG/L		U			
ALPHA-BHC										.5 UG/L		U			
ALPHA-CHLORDANE										5 UG/L		U			
AROCLOR-1016										5 UG/L		U			
AROCLOR-1221										5 UG/L		U			
AROCLOR-1232										5 UG/L		U			
AROCLOR-1242										5 UG/L		U			
AROCLOR-1248										5 UG/L		U			
AROCLOR-1254										10 UG/L		U			
AROCLOR-1260										10 UG/L		U			
BETA-BHC										.5 UG/L		U			
DELTA-BHC										.5 UG/L		U			
DIELDRIN										1 UG/L		U			
ENDOSULFAN II										1 UG/L		U			
ENDOSULFAN SULFATE										1 UG/L		U			
ENDOSULFAN-I										.5 UG/L		U			
ENDRIN										1 UG/L		U			
ENDRIN KETONE										1 UG/L		U			
GAMMA-BHC (LINDANE)										.5 UG/L		U			
GAMMA-CHLORDANE										5 UG/L		U			
HEPTACHLOR										.5 UG/L		U			
HEPTACHLOR EPOXIDE										.5 UG/L		U			
METHOXYCHLOR										5 UG/L		U			
TOXAPHENE										10 UG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL	9444 UG/L	1247	-												
SEMIVOLATILES															
BENZOIC ACID													50 UG/L		UJ
VOLATILES															
1,1,1-TRICHLOROETHANE													130 UG/L		-
1,1,2,2-TETRACHLOROETHANE													5 UG/L		U
1,1,2-TRICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHANE													170 UG/L		-
1,1-DICHLOROETHENE													13 UG/L		-
1,2-DICHLOROETHANE													1 UG/L		J
1,2-DICHLOROETHENE (TOTAL)													5 UG/L		U
1,2-DICHLOROPROPANE													5 UG/L		U
2-BUTANONE													10 UG/L		UJ

SAMPLE NUMBER:	045255			046998			045267			045267			045267		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			DL-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													2 UG/L		J
BENZENE													5 UG/L		U
BROMODICHLOROMETHANE													5 UG/L		U
BROMOFORM													5 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													5 UG/L		U
CARBON TETRACHLORIDE													5 UG/L		U
CHLOROBENZENE													5 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													5 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													5 UG/L		U
DIBROMOCHLOROMETHANE													5 UG/L		U
ETHYLBENZENE													5 UG/L		U
METHYLENE CHLORIDE													13 UG/L		U
STYRENE													5 UG/L		U
TETRACHLOROETHENE													5 UG/L		U
TOLUENE													5 UG/L		U
TRANS-1,3-DICHLOROPROPENE													5 UG/L		U
TRICHLOROETHENE													5 UG/L		U
VINYL ACETATE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045268	046629	046630	045324	045325
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1412	1412	1412	1418	1418
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-JUN-90	13-AUG-90	13-AUG-90	17-OCT-89	17-OCT-89
NORTH COORDINATE:	480702.37	480702.37	480702.37	480684.1	480684.1
EAST COORDINATE:	1380398.11	1380398.11	1380398.11	1381882.72	1381882.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE							.1 MG/L		U				.22 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	1580 UG/L	221	-	1130 UG/L	157	-				25 UG/L	4	-			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045407	045408	118459	118460	118462
TASK:	3.7	3.7	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	DATACHEM	DATACHEM	FERMCO
WELL OR BORING NUMBER:	1418	1418	1418	1418	1418
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-OCT-89	17-OCT-89	26-MAY-93	26-MAY-93	26-MAY-93
NORTH COORDINATE:	480684.1	480684.1	480684.1	480684.1	480684.1
EAST COORDINATE:	1381882.72	1381882.72	1381882.72	1381882.72	1381882.72
QA TYPE:	DUPLICATE	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:	045324	045325			
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							390 MG/L		-						
AMMONIA							.05 MG/L		U						
CHLORIDE							5.9 MG/L		-						
FLUORIDE							.2 MG/L		-						
NITRATE				.31 MG/L		-	.07 MG/L		-						
NITRATE/NITRITE							.07 MG/L		-						
PHENOLS							.002 MG/L		UJ						
PHOSPHORUS							1.5 MG/L		-						
SULFATE							82 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL ORGANIC CARBON							2 MG/L		-						
TOTAL ORGANIC HALIDES							.02 MG/L		-						
INORGANICS															
ALUMINUM							9.53 MG/L		J	.014 MG/L		U			
ANTIMONY							.045 MG/L		U	.045 MG/L		U			
ARSENIC							.0024 MG/L		-	.001 MG/L		U			
BARIUM							.19 MG/L		J	.11 MG/L		J			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.003 MG/L		U	.003 MG/L		U			
CALCIUM							197 MG/L		-	128 MG/L		-			
CHROMIUM							.0177 MG/L		-	.004 MG/L		U			
COBALT							.0083 MG/L		-	.006 MG/L		U			
COPPER							.0231 MG/L		-	.004 MG/L		U			
CYANIDE							.01 MG/L		U	.01 MG/L		U			
IRON							19.9 MG/L		-	.015 MG/L		U			
LEAD							.0062 MG/L		-	.001 MG/L		U			
MAGNESIUM							57 MG/L		-	35 MG/L		-			
MANGANESE							.686 MG/L		-	.0647 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.0246 MG/L		-	.019 MG/L		U			

SAMPLE NUMBER:	045407			045408			118459			118460			118462		
LAB:	IT			IT			DATACHEM			DATACHEM			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM							4.24 MG/L		-	1.19 MG/L		-			
SELENIUM							.002 MG/L		UJ	.002 MG/L		U			
SILVER							.003 MG/L		UJ	.003 MG/L		UJ			
SODIUM							7.67 MG/L		-	7.06 MG/L		-			
THALLIUM							.001 MG/L		U	.001 MG/L		U			
VANADIUM							.0182 MG/L		-	.004 MG/L		U			
ZINC							.0553 MG/L		-	.006 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL	24 UG/L	4	-										4.2 UG/L		NV
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		U						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						

SAMPLE NUMBER:	045407			045408			118459			118460			118462		
LAB:	IT			IT			DATACHEM			DATACHEM			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118463	118464	118465	046903	045635
TASK:	50.03.23	50.03.23	50.03.23	3.7	3.7
LAB:	FERMCO	CORE	CORE	IT	IT
WELL OR BORING NUMBER:	1418	1418	1418	1418	1418
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-MAY-93	26-MAY-93	26-MAY-93	29-JUN-90	31-JAN-90
NORTH COORDINATE:	480684.1	480684.1	480684.1	480684.1	480684.1
EAST COORDINATE:	1381882.72	1381882.72	1381882.72	1381882.72	1381882.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE													.18 MG/L		-
RADIONUCLIDES															
URANIUM-238				1.9 PCI/L	.6	J	2.3 PCI/L	.4	J						
URANIUM, TOTAL	6.1 UG/L		NV	5.1 UG/L	.4	-	6.7 UG/L	.5	-	30.8 UG/L	4.4	-			
URANIUM-234				2 PCI/L	.4	J	2.3 PCI/L	.4	J						
THORIUM-230				.2 PCI/L	.3	R	.4 PCI/L	.3	J						
RADIUM-226				1.7 PCI/L	.5	-	1 PCI/L	.4	UJ						
URANIUM-235/236				.3 PCI/L	.5	J	.2 PCI/L	.5	UJ						
THORIUM-232				0 PCI/L	.2	R	.2 PCI/L	.3	UJ						
THORIUM, TOTAL							1.82403204 PCI/L	.3	NV						
RADIUM-228				3 PCI/L	.9	U	3 PCI/L	1.1	U						
THORIUM-228				.3 PCI/L	2.6	R	.2 PCI/L	.6	UJ						
TECHNETIUM-99				15 PCI/L	7.6	U	15 PCI/L	5.6	UJ						
GROSS ALPHA				3.7 PCI/L	3.3	UNV	14.9 PCI/L	5.8	NV						
GROSS BETA				1.2 PCI/L	3.3	UNV	39.5 PCI/L	5.7	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046840	046841	046913	046914	046911
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1420	1420	1423	1423	1423
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-JUN-90	30-JUN-90	07-JAN-91	07-JAN-91	28-AUG-90
NORTH COORDINATE:	480645.76	480645.76	480932.91	480932.91	480932.91
EAST COORDINATE:	1380293.54	1380293.54	1381617.26	1381617.26	1381617.26
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE				105 MG/L		J				9.95 MG/L		-			
RADIONUCLIDES															
URANIUM, TOTAL	986 UG/L	139	-				15000 UG/L	2060	-				15600 UG/L	2260	-

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062405			062406			062406			062406			066902		
TASK:	04.30			04.30			04.30			04.30			3.7		
LAB:	WEMCO			IT			IT			IT/RSL			IT		
WELL OR BORING NUMBER:	1423			1423			1423			1423			1423		
DEPTH:	-			-			-			-			-12		
DATE COLLECTED:	29-OCT-92			29-OCT-92			29-OCT-92			29-OCT-92			30-JUL-90		
NORTH COORDINATE:	480932.91			480932.91			480932.91			480932.91			480932.91		
EAST COORDINATE:	1381617.26			1381617.26			1381617.26			1381617.26			1381617.26		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			F-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM				.31 MG/L		-							.608 MG/L		-
ANTIMONY				.005 MG/L		U							.0418 MG/L		-
ARSENIC				.0025 MG/L		U							.002 MG/L		UJ
BARIUM				.0838 MG/L		-							.068 MG/L		-
BERYLLIUM				.002 MG/L		U							.0052 MG/L		-
CADMIUM				.005 MG/L		U							.0107 MG/L		J
CALCIUM				347 MG/L		-							294 MG/L		-
CHROMIUM				.01 MG/L		U							.161 MG/L		-
COBALT				.01 MG/L		U							.014 MG/L		-
COPPER				.01 MG/L		U							.0359 MG/L		-
CYANIDE							.001 MG/L		U				.002 MG/L		UJ
IRON				.02 MG/L		U							.0924 MG/L		-
LEAD				.0025 MG/L		U							.0069 MG/L		J
MAGNESIUM				103 MG/L		-							76.1 MG/L		-
MANGANESE				.668 MG/L		-							1.13 MG/L		-
MERCURY				.0002 MG/L		U							.00025 MG/L		-
MOLYBDENUM				.02 MG/L		U									
NICKEL				.0456 MG/L		-							.0416 MG/L		-
POTASSIUM				24.8 MG/L		-							11.6 MG/L		-
SELENIUM				.002 MG/L		U							.002 MG/L		UJ
SILICON				9.8 MG/L		-									
SILVER				.01 MG/L		U							.0729 MG/L		-
SODIUM				175 MG/L		-							89.8 MG/L		-
THALLIUM				.01 MG/L		UJ							.002 MG/L		UJ
VANADIUM				.01 MG/L		U							.0542 MG/L		-
ZINC				.013 MG/L		-							.0142 MG/L		-
PESTICIDES															
4,4'-DDD							.1 UG/L		U				.1 UG/L		U
4,4'-DDE							.1 UG/L		U				.1 UG/L		U
4,4'-DDT							.1 UG/L		U				.1 UG/L		U

SAMPLE NUMBER:	062405			062406			062406			062406			066902		
LAB:	WEMCO			IT			IT			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			F-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALDRIN							.05 UG/L		U				.05 UG/L		U
ALPHA-BHC							.05 UG/L		U				.05 UG/L		U
ALPHA-CHLORDANE							.5 UG/L		U				.5 UG/L		U
AROCLOR-1016							.5 UG/L		U				.5 UG/L		U
AROCLOR-1221							.5 UG/L		U				.5 UG/L		U
AROCLOR-1232							.5 UG/L		U				.5 UG/L		U
AROCLOR-1242							.5 UG/L		U				.5 UG/L		U
AROCLOR-1248							.5 UG/L		U				.5 UG/L		U
AROCLOR-1254							1 UG/L		U				1 UG/L		U
AROCLOR-1260							1 UG/L		U				1 UG/L		U
BETA-BHC							.05 UG/L		U				.05 UG/L		U
DELTA-BHC							.05 UG/L		U				.05 UG/L		U
DIELDRIN							.1 UG/L		U				.1 UG/L		U
ENDOSULFAN II							.1 UG/L		U				.1 UG/L		U
ENDOSULFAN SULFATE							.1 UG/L		U				.1 UG/L		U
ENDOSULFAN-I							.05 UG/L		U				.05 UG/L		U
ENDRIN							.1 UG/L		U				.1 UG/L		U
ENDRIN KETONE							.1 UG/L		U				.1 UG/L		U
GAMMA-BHC (LINDANE)							.05 UG/L		U				.05 UG/L		U
GAMMA-CHLORDANE							.5 UG/L		U				.5 UG/L		U
HEPTACHLOR							.05 UG/L		U				.05 UG/L		U
HEPTACHLOR EPOXIDE							.05 UG/L		U				.05 UG/L		U
METHOXYCHLOR							.5 UG/L		U				.5 UG/L		U
TOXAPHENE							1 UG/L		U				1 UG/L		U
RADIONUCLIDES															
URANIUM, TOTAL	23000000 UG/L		NV							21900 UG/L	2930	J			
THORIUM-230										.2 PCI/L	.11	UJ			
RADIUM-226										1 PCI/L	.11	UJ			
THORIUM-232										.2 PCI/L		UJ			
THORIUM, TOTAL										.5 UG/L		UJ			
RADIUM-228										10.1 PCI/L	1.6	J			
THORIUM-228										.44 PCI/L	.18	J			
PLUTONIUM-239/240										.5 PCI/L		UJ			
PLUTONIUM-238										.5 PCI/L		UJ			
STRONTIUM-90										1 PCI/L		UJ			
TECHNETIUM-99										16 PCI/L		UJ			
RUTHENIUM-106										150 PCI/L		UJ			
CESIUM-137										13.5 PCI/L		UJ			
GROSS ALPHA										18400 PCI/L	1900	NV			
GROSS BETA										4160 PCI/L	420	NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U				10 UG/L		U
1,2-DICHLOROBENZENE							10 UG/L		U				10 UG/L		U

SAMPLE NUMBER:	062405			062406			062406			062406			066902		
LAB:	WEMCO			IT			IT			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			F-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,3-DICHLOROBENZENE							10 UG/L		U				10 UG/L		U
1,4-DICHLOROBENZENE							10 UG/L		U				10 UG/L		U
2,4,5-TRICHLOROPHENOL							50 UG/L		U				50 UG/L		U
2,4,6-TRICHLOROPHENOL							10 UG/L		U				10 UG/L		U
2,4-DICHLOROPHENOL							10 UG/L		U				10 UG/L		U
2,4-DIMETHYLPHENOL							10 UG/L		U				10 UG/L		U
2,4-DINITROPHENOL							50 UG/L		UJ				50 UG/L		U
2,4-DINITROTOLUENE							10 UG/L		U				10 UG/L		UJ
2,6-DINITROTOLUENE							10 UG/L		U				10 UG/L		U
2-CHLORONAPHTHALENE							10 UG/L		U				10 UG/L		U
2-CHLOROPHENOL							10 UG/L		U				10 UG/L		U
2-METHYLNAPHTHALENE							10 UG/L		U				10 UG/L		U
2-METHYLPHENOL							10 UG/L		U				10 UG/L		U
2-NITROANILINE							50 UG/L		U				50 UG/L		UJ
2-NITROPHENOL							10 UG/L		U				10 UG/L		U
3,3'-DICHLOROBENZIDINE							20 UG/L		U				20 UG/L		U
3-NITROANILINE							50 UG/L		U				50 UG/L		UJ
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		U				50 UG/L		U
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U				10 UG/L		U
4-CHLORO-3-METHYLPHENOL							10 UG/L		U				10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U				10 UG/L		U
4-METHYLPHENOL							10 UG/L		U				10 UG/L		U
4-NITROANILINE							50 UG/L		U				50 UG/L		UJ
4-NITROPHENOL							50 UG/L		U				50 UG/L		UJ
ACENAPHTHENE							10 UG/L		U				10 UG/L		U
ACENAPHTHYLENE							10 UG/L		U				10 UG/L		U
ANTHRACENE							10 UG/L		U				10 UG/L		U
BENZO(A)ANTHRACENE							10 UG/L		U				10 UG/L		U
BENZO(A)PYRENE							10 UG/L		U				10 UG/L		U
BENZO(B)FLUORANTHENE							10 UG/L		U				10 UG/L		U
BENZO(G,H,I)PERYLENE							10 UG/L		U				10 UG/L		U
BENZO(K)FLUORANTHENE							10 UG/L		U				10 UG/L		U
BENZOIC ACID							50 UG/L		U				50 UG/L		U
BENZYL ALCOHOL							10 UG/L		U				10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U				10 UG/L		U
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U				10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U				10 UG/L		UR
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U				10 UG/L		U
BUTYL BENZYL PHTHALATE							10 UG/L		U				10 UG/L		U
CHRYSENE							10 UG/L		U				10 UG/L		U
DI-N-BUTYL PHTHALATE							10 UG/L		U				10 UG/L		U
DI-N-OCTYL PHTHALATE							10 UG/L		U				10 UG/L		U
DIBENZO(A,H)ANTHRACENE							10 UG/L		U				10 UG/L		UJ
DIBENZOFURAN							10 UG/L		U				10 UG/L		U
DIETHYL PHTHALATE							10 UG/L		U				10 UG/L		U
DIMETHYL PHTHALATE							10 UG/L		U				10 UG/L		U

SAMPLE NUMBER:	062405			062406			062406			062406			066902		
LAB:	WEMCO			IT			IT			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			F-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORANTHENE							10 UG/L		U				10 UG/L		U
FLUORENE							10 UG/L		U				10 UG/L		U
HEXACHLOROBENZENE							10 UG/L		U				10 UG/L		U
HEXACHLOROBUTADIENE							10 UG/L		U				10 UG/L		U
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U				10 UG/L		UJ
HEXACHLOROETHANE							10 UG/L		U				10 UG/L		UJ
INDENO(1,2,3-CD)PYRENE							10 UG/L		U				10 UG/L		UJ
ISOPHORONE							10 UG/L		U				10 UG/L		UJ
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U				10 UG/L		UJ
N-NITROSODIPHENYLAMINE							10 UG/L		U				10 UG/L		U
NAPHTHALENE							10 UG/L		U				10 UG/L		U
NITROBENZENE							10 UG/L		U				10 UG/L		UJ
P-CHLOROANILINE							10 UG/L		U				10 UG/L		U
PENTACHLOROPHENOL							50 UG/L		U				50 UG/L		U
PHENANTHRENE							10 UG/L		U				10 UG/L		U
PHENOL							10 UG/L		U				10 UG/L		U
PYRENE							10 UG/L		U				10 UG/L		U
TRIBUTYL PHOSPHATE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE							37 UG/L		-				120 UG/L		-
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U				5 UG/L		U
1,1,2-TRICHLOROETHANE							5 UG/L		U				5 UG/L		U
1,1-DICHLOROETHANE							76 UG/L		-				120 UG/L		-
1,1-DICHLOROETHENE							58 UG/L		-				88 UG/L		-
1,2-DICHLOROETHANE							15 UG/L		-				26 UG/L		-
1,2-DICHLOROETHENE (TOTAL)							3 UG/L		J				4 UG/L		J
1,2-DICHLOROPROPANE							5 UG/L		U				5 UG/L		U
2-BUTANONE							10 UG/L		U				10 UG/L		U
2-HEXANONE							10 UG/L		UJ				10 UG/L		U
4-METHYL-2-PENTANONE							10 UG/L		UJ				10 UG/L		U
ACETONE							10 UG/L		UJ				10 UG/L		U
BENZENE							5 UG/L		U				5 UG/L		U
BROMODICHLOROMETHANE							5 UG/L		U				5 UG/L		U
BROMOFORM							5 UG/L		U				5 UG/L		U
BROMOMETHANE							10 UG/L		U				10 UG/L		U
CARBON DISULFIDE							5 UG/L		U				5 UG/L		U
CARBON TETRACHLORIDE							5 UG/L		U				5 UG/L		U
CHLOROBENZENE							5 UG/L		U				5 UG/L		U
CHLOROETHANE							10 UG/L		UJ				10 UG/L		U
CHLOROFORM							5 UG/L		U				5 UG/L		U
CHLOROMETHANE							10 UG/L		U				10 UG/L		U
CIS-1,3-DICHLOROPROPENE							5 UG/L		U				5 UG/L		U
DIBROMOCHLOROMETHANE							5 UG/L		U				5 UG/L		U
ETHYLBENZENE							5 UG/L		U				5 UG/L		U
METHYLENE CHLORIDE							5 UG/L		UJ				11 UG/L		U

SAMPLE NUMBER:	062405			062406			062406			062406			066902		
LAB:	WEMCO			IT			IT			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			F-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
STYRENE							5 UG/L		U				5 UG/L		U
TETRACHLOROETHENE							5 UG/L		U				5 UG/L		U
TOLUENE							5 UG/L		U				5 UG/L		U
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U				5 UG/L		U
TRICHLOROETHENE							22 UG/L		-				120 UG/L		-
VINYL ACETATE							10 UG/L		UJ				10 UG/L		UJ
VINYL CHLORIDE							10 UG/L		U				2 UG/L		J
XYLENES, TOTAL							5 UG/L		U				5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	047048			047040			047040			047040			047040		
TASK:	20.03.04			20.03.04			20.03.04			20.03.04			20.03.04		
LAB:	IT/RSL			IT-KNOX			IT/MWL			IT/MWL			IT/RSL		
WELL OR BORING NUMBER:	1433			1433			1433			1433			1433		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-DEC-92			16-NOV-92			16-NOV-92			16-NOV-92			16-NOV-92		
NORTH COORDINATE:	477991.53			477991.53			477991.53			477991.53			477991.53		
EAST COORDINATE:	1379116.16			1379116.16			1379116.16			1379116.16			1379116.16		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U									
CHLORIDE				5.15 MG/L		-									
FLUORIDE				1.28 MG/L		J									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.34 MG/L		J									
SULFATE				61.2 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				4.4 MG/L		-									
TOTAL ORGANIC HALIDES				.01405 MG/L		-									
TOTAL ORGANIC NITROGEN				.288 MG/L		-									
INORGANICS															
ALUMINUM							.104 MG/L		U						
ANTIMONY							.005 MG/L		U						
ARSENIC							.003 MG/L		U						
BARIUM							.0797 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.005 MG/L		U						
CALCIUM							129 MG/L		-						
CHROMIUM							.01 MG/L		U						
COBALT							.01 MG/L		U						
COPPER							.0306 MG/L		-						
CYANIDE				.002 MG/L		U									
IRON							.02 MG/L		U						
LEAD							.003 MG/L		U						
MAGNESIUM							36.2 MG/L		-						
MANGANESE							.111 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.02 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							2.84 MG/L		-						

SAMPLE NUMBER:	047048			047040			047040			047040			047040		
LAB:	IT/RSL			IT-KNOX			IT/MWL			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM							.002 MG/L		U						
SILICON							10.5 MG/L		-						
SILVER							.01 MG/L		U						
SODIUM							9.09 MG/L		-						
THALLIUM							.002 MG/L		U						
VANADIUM							.01 MG/L		U						
ZINC							.01 MG/L		-						
PESTICIDES															
4,4'-DDD										.1 UG/L		U			
4,4'-DDE										.1 UG/L		U			
4,4'-DDT										.1 UG/L		U			
ALDRIN										.05 UG/L		U			
ALPHA-BHC										.05 UG/L		U			
ALPHA-CHLORDANE										.5 UG/L		U			
AROCLOR-1016										.5 UG/L		U			
AROCLOR-1221										.5 UG/L		U			
AROCLOR-1232										.5 UG/L		U			
AROCLOR-1242										.5 UG/L		U			
AROCLOR-1248										.5 UG/L		U			
AROCLOR-1254										1 UG/L		U			
AROCLOR-1260										1 UG/L		U			
BETA-BHC										.05 UG/L		U			
DELTA-BHC										.05 UG/L		U			
DIELDRIN										.1 UG/L		U			
ENDOSULFAN II										.1 UG/L		U			
ENDOSULFAN SULFATE										.1 UG/L		U			
ENDOSULFAN-I										.05 UG/L		U			
ENDRIN										.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)										.05 UG/L		U			
GAMMA-CHLORDANE										.5 UG/L		U			
HEPTACHLOR										.05 UG/L		U			
HEPTACHLOR EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.5 UG/L		U			
TOXAPHENE										1 UG/L		U			
RADIONUCLIDES															
URANIUM-238	731 PCI/L	132	J										1537 PCI/L	698	J
URANIUM, TOTAL	3390 UG/L	470	-										3969 UG/L	529	-
URANIUM-234	723 PCI/L	130	J										1530 PCI/L	695	J
THORIUM-230	2.18 PCI/L		R										.32 PCI/L	.16	U
RADIUM-226	1 PCI/L	.12	UJ										1 PCI/L	.33	U
URANIUM-235/236	31.9 PCI/L	8.1	J												
THORIUM-232	.86 PCI/L		R										.37 PCI/L	.18	J

000081

SAMPLE NUMBER:	047048			047040			047040			047040			047040		
LAB:	IT/RSL			IT-KNOX			IT/MWL			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM, TOTAL	7.72 UG/L		R										3.4 UG/L	1.66	J
RADIUM-228	3 PCI/L		UJ										3.64 PCI/L		UJ
THORIUM-228	4.61 PCI/L		R										.22 PCI/L		UJ
NEPTUNIUM-237	.5 PCI/L	.32	UJ												
PLUTONIUM-239/240	.5 PCI/L		UJ										.5 PCI/L		UJ
PLUTONIUM-238	.5 PCI/L	.24	U										.5 PCI/L		UJ
STRONTIUM-90	10.8 PCI/L	1.59	U										1.51 PCI/L		UJ
TECHNETIUM-99	15 PCI/L		UJ										15 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		UJ										150 PCI/L		UJ
CESIUM-137	17.7 PCI/L		UJ										15.2 PCI/L		UJ
GROSS ALPHA													2619 PCI/L	275	-
GROSS BETA	739 PCI/L	77	-										1286 PCI/L	130	-
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		U			
1,2-DICHLOROBENZENE										10 UG/L		U			
1,3-DICHLOROBENZENE										10 UG/L		U			
1,4-DICHLOROBENZENE										10 UG/L		U			
2,4,5-TRICHLOROPHENOL										50 UG/L		U			
2,4,6-TRICHLOROPHENOL										10 UG/L		U			
2,4-DICHLOROPHENOL										10 UG/L		U			
2,4-DIMETHYLPHENOL										10 UG/L		U			
2,4-DINITROPHENOL										50 UG/L		UJ			
2,4-DINITROTOLUENE										10 UG/L		U			
2,6-DINITROTOLUENE										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		U			
2-CHLOROPHENOL										10 UG/L		U			
2-METHYLNAPHTHALENE										10 UG/L		U			
2-METHYLPHENOL										10 UG/L		U			
2-NITROANILINE										50 UG/L		U			
2-NITROPHENOL										10 UG/L		U			
3,3'-DICHLOROBENZIDINE										20 UG/L		U			
3-NITROANILINE										50 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL										50 UG/L		UJ			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLORO-3-METHYLPHENOL										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			
4-NITROANILINE										50 UG/L		U			
4-NITROPHENOL										50 UG/L		U			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		U			
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		U			

SAMPLE NUMBER:	047048			047040			047040			047040			047040		
LAB:	IT/RSL			IT-KNOX			IT/MWL			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			
BENZOIC ACID										50 UG/L		U			
BENZYL ALCOHOL										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE										10 UG/L		U			
BUTYL BENZYL PHTHALATE										10 UG/L		U			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										10 UG/L		U			
DI-N-OCTYL PHTHALATE										10 UG/L		U			
DIBENZO(A,H)ANTHRACENE										10 UG/L		U			
DIBENZOFURAN										10 UG/L		U			
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		U			
HEXACHLOROBENZENE										10 UG/L		U			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		U			
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		U			
ISOPHORONE										10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		U			
PENTACHLOROPHENOL										50 UG/L		U			
PHENANTHRENE										10 UG/L		U			
PHENOL				.01 MG/L		U				10 UG/L		U			
PYRENE										10 UG/L		U			
TRIBUTYL PHOSPHATE										10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE										5 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										5 UG/L		U			
1,1,2-TRICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHENE										5 UG/L		U			
1,2-DICHLOROETHANE										5 UG/L		U			
1,2-DICHLOROETHENE*(TOTAL)										5 UG/L		U			
1,2-DICHLOROPROPANE										5 UG/L		U			
2-BUTANONE										10 UG/L		UJ			

SAMPLE NUMBER:	047048			047040			047040			047040			047040		
LAB:	IT/RSL			IT-KNOX			IT/MWL			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-HEXANONE										10 UG/L		UJ			
4-METHYL-2-PENTANONE										10 UG/L		UJ			
ACETONE										10 UG/L		U			
BENZENE										5 UG/L		U			
BROMODICHLOROMETHANE										5 UG/L		U			
BROMOFORM										5 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										5 UG/L		U			
CARBON TETRACHLORIDE										5 UG/L		U			
CHLOROBENZENE										5 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										5 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										5 UG/L		U			
DIBROMOCHLOROMETHANE										5 UG/L		U			
ETHYLBENZENE										5 UG/L		U			
METHYLENE CHLORIDE										5 UG/L		U			
STYRENE										5 UG/L		U			
TETRACHLOROETHENE										5 UG/L		U			
TOLUENE										5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		U			
TRICHLOROETHENE										5 UG/L		U			
VINYL ACETATE										10 UG/L		UJ			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	047044	047044	046746	046748	046748
TASK:	20.03.04	20.03.04	3.7	3.7	3.7
LAB:	IT-KNOX	IT/RSL	IT	IT	IT
WELL OR BORING NUMBER:	1433	1433	1441	1441	1441
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-NOV-92	30-NOV-92	09-MAY-90	16-MAY-90	16-MAY-90
NORTH COORDINATE:	477991.53	477991.53	480091.99	480091.99	480091.99
EAST COORDINATE:	1379116.16	1379116.16	1383021.42	1383021.42	1383021.42
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.126 MG/L		-												
CHLORIDE	4.62 MG/L		-												
FLUORIDE	1.42 MG/L		-												
NITRATE	.22 MG/L		-				1.48 MG/L		J						
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.36 MG/L		-												
SULFATE	61.4 MG/L		U												
SULFIDE	.5 MG/L		UJ												
TOTAL ORGANIC CARBON	3.58 MG/L		-												
TOTAL ORGANIC HALIDES	10 MG/L		UJ												
TOTAL ORGANIC NITROGEN	.143 MG/L		-												
INORGANICS															
ALUMINUM	.0789 MG/L		U							.0697 MG/L		J			
ANTIMONY	.005 MG/L		U							.03 MG/L		UJ			
ARSENIC	.002 MG/L		U							.002 MG/L		UJ			
BARIUM	.0801 MG/L		-							.0917 MG/L		J			
BERYLLIUM	.002 MG/L		U							.002 MG/L		UJ			
CADMIUM	.005 MG/L		U							.0065 MG/L		J			
CALCIUM	127 MG/L		-							110 MG/L		J			
CHROMIUM	.01 MG/L		U							.0245 MG/L		J			
COBALT	.01 MG/L		U							.01 MG/L		UJ			
COPPER	.0173 MG/L		-							.01 MG/L		UJ			
CYANIDE	.002 MG/L		U										.002 MG/L		UJ
IRON	.02 MG/L		U							.0497 MG/L		J			
LEAD	.002 MG/L		UJ							.002 MG/L		UJ			
MAGNESIUM	38.7 MG/L		-							42.5 MG/L		J			
MANGANESE	.0502 MG/L		-							.591 MG/L		J			
MERCURY	.0002 MG/L		U							.0002 MG/L		UR			
MOLYBDENUM	.02 MG/L		U							.0114 MG/L		J			
NICKEL	.02 MG/L		U							.0372 MG/L		J			

030085

SAMPLE NUMBER:	047044			047044			046746			046748			046748		
LAB:	IT-KNOX			IT/RSL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM	2.51 MG/L		-							2.81 MG/L		-			
SELENIUM	.002 MG/L		U							.002 MG/L		UJ			
SILICON	10.2 MG/L		-												
SILVER	.01 MG/L		U							.0152 MG/L		J			
SODIUM	9.46 MG/L		-							55.8 MG/L		J			
THALLIUM	.002 MG/L		U							.002 MG/L		UR			
VANADIUM	.01 MG/L		U							.0119 MG/L		J			
ZINC	.0084 MG/L		-							.0243 MG/L		J			
PESTICIDES															
4,4'-DDD	.1 UG/L		U										.1 UG/L		U
4,4'-DDE	.1 UG/L		U										.1 UG/L		U
4,4'-DDT	.1 UG/L		U										.1 UG/L		U
ALDRIN	.05 UG/L		U										.05 UG/L		U
ALPHA-BHC	.05 UG/L		U										.05 UG/L		U
ALPHA-CHLORDANE	.5 UG/L		U										.5 UG/L		U
AROCLOR-1016	.5 UG/L		U										.5 UG/L		U
AROCLOR-1221	.5 UG/L		U										.5 UG/L		U
AROCLOR-1232	.5 UG/L		U										.5 UG/L		U
AROCLOR-1242	.5 UG/L		U										.5 UG/L		U
AROCLOR-1248	.5 UG/L		U										.5 UG/L		U
AROCLOR-1254	1 UG/L		U										1 UG/L		U
AROCLOR-1260	1 UG/L		U										1 UG/L		U
BETA-BHC	.05 UG/L		U										.05 UG/L		U
DELTA-BHC	.05 UG/L		U										.05 UG/L		U
DIELDRIN	.1 UG/L		U										.1 UG/L		U
ENDOSULFAN II	.1 UG/L		U										.1 UG/L		U
ENDOSULFAN SULFATE	.1 UG/L		U										.1 UG/L		U
ENDOSULFAN-I	.05 UG/L		U										.05 UG/L		U
ENDRIN	.1 UG/L		U										.1 UG/L		U
ENDRIN KETONE	.1 UG/L		U										.1 UG/L		U
GAMMA-BHC (LINDANE)	.05 UG/L		U										.05 UG/L		U
GAMMA-CHLORDANE	.5 UG/L		U										.5 UG/L		U
HEPTACHLOR	.05 UG/L		U										.05 UG/L		U
HEPTACHLOR EPOXIDE	.05 UG/L		U										.05 UG/L		U
METHOXYCHLOR	.5 UG/L		U										.5 UG/L		U
TOXAPHENE	1 UG/L		U										1 UG/L		U
RADIONUCLIDES															
GROSS ALPHA				372 PCI/L	40	J									
GROSS BETA				129 PCI/L	13	-									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U										10 UG/L		UR

SAMPLE NUMBER:	047044			047044			046746			046748			046748		
LAB:	IT-KNOX			IT/RSL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2-DICHLOROBENZENE	10 UG/L		U										10 UG/L		UR
1,3-DICHLOROBENZENE	10 UG/L		U										10 UG/L		UR
1,4-DICHLOROBENZENE	10 UG/L		U										10 UG/L		UR
2,4,5-TRICHLOROPHENOL	50 UG/L		U										50 UG/L		U
2,4,6-TRICHLOROPHENOL	10 UG/L		U										10 UG/L		U
2,4-DICHLOROPHENOL	10 UG/L		U										10 UG/L		U
2,4-DIMETHYLPHENOL	10 UG/L		U										10 UG/L		U
2,4-DINITROPHENOL	50 UG/L		U										50 UG/L		U
2,4-DINITROTOLUENE	10 UG/L		U										10 UG/L		UR
2,6-DINITROTOLUENE	10 UG/L		U										10 UG/L		UR
2-CHLORONAPHTHALENE	10 UG/L		U										10 UG/L		UR
2-CHLOROPHENOL	10 UG/L		U										10 UG/L		U
2-METHYLNAPHTHALENE	10 UG/L		U										10 UG/L		UR
2-METHYLPHENOL	10 UG/L		U										10 UG/L		U
2-NITROANILINE	50 UG/L		U										50 UG/L		UR
2-NITROPHENOL	10 UG/L		U										10 UG/L		U
3,3'-DICHLOROBENZIDINE	20 UG/L		U										20 UG/L		UR
3-NITROANILINE	50 UG/L		U										50 UG/L		UR
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		U										50 UG/L		U
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U										10 UG/L		UR
4-CHLORO-3-METHYLPHENOL	10 UG/L		U										10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U										10 UG/L		UR
4-METHYLPHENOL	10 UG/L		U										10 UG/L		U
4-NITROANILINE	50 UG/L		U										50 UG/L		UR
4-NITROPHENOL	50 UG/L		U										50 UG/L		UJ
ACENAPHTHENE	10 UG/L		U										10 UG/L		UR
ACENAPHTHYLENE	10 UG/L		U										10 UG/L		UR
ANTHRACENE	10 UG/L		U										10 UG/L		UR
BENZO(A)ANTHRACENE	10 UG/L		U										10 UG/L		UR
BENZO(A)PYRENE	10 UG/L		U										10 UG/L		UR
BENZO(B)FLUORANTHENE	10 UG/L		U										10 UG/L		UR
BENZO(G,H,I)PERYLENE	10 UG/L		U										10 UG/L		UR
BENZO(K)FLUORANTHENE	10 UG/L		U										10 UG/L		UR
BENZOIC ACID	50 UG/L		U										50 UG/L		U
BENZYL ALCOHOL	10 UG/L		U										10 UG/L		UR
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U										10 UG/L		UR
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U										10 UG/L		UR
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U										10 UG/L		UR
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U										10 UG/L		UR
BUTYL BENZYL PHTHALATE	10 UG/L		U										10 UG/L		UR
CHRYSENE	10 UG/L		U										10 UG/L		UR
DI-N-BUTYL PHTHALATE	10 UG/L		U										3 UG/L		R
DI-N-OCTYL PHTHALATE	10 UG/L		U										10 UG/L		UR
DIBENZO(A,H)ANTHRACENE	10 UG/L		U										10 UG/L		UR
DIBENZOFURAN	10 UG/L		U										10 UG/L		UR
DIETHYL PHTHALATE	10 UG/L		U										10 UG/L		UR

SAMPLE NUMBER:	047044			047044			046746			046748			046748		
LAB:	IT-KNOX			IT/RSL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIMETHYL PHTHALATE	10 UG/L		U										10 UG/L		UR
FLUORANTHENE	10 UG/L		U										10 UG/L		UR
FLUORENE	10 UG/L		U										10 UG/L		UR
HEXACHLOROBENZENE	10 UG/L		U										10 UG/L		UR
HEXACHLOROBUTADIENE	10 UG/L		U										10 UG/L		UR
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U										10 UG/L		UR
HEXACHLOROETHANE	10 UG/L		U										10 UG/L		UR
INDENO(1,2,3-CD)PYRENE	10 UG/L		U										10 UG/L		UR
ISOPHORONE	10 UG/L		U										10 UG/L		UR
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U										10 UG/L		UR
N-NITROSODIPHENYLAMINE	10 UG/L		U										10 UG/L		UR
NAPHTHALENE	10 UG/L		U										10 UG/L		UR
NITROBENZENE	10 UG/L		U										10 UG/L		UR
P-CHLOROANILINE	10 UG/L		U										10 UG/L		UR
PENTACHLOROPHENOL	50 UG/L		U										50 UG/L		U
PHENANTHRENE	10 UG/L		U										10 UG/L		UR
PHENOL	10 UG/L		U										10 UG/L		U
PYRENE	10 UG/L		U										10 UG/L		UR
TRIBUTYL PHOSPHATE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U										4 UG/L		J
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U										5 UG/L		U
1,1,2-TRICHLOROETHANE	5 UG/L		U										5 UG/L		U
1,1-DICHLOROETHANE	5 UG/L		U										1 UG/L		J
1,1-DICHLOROETHENE	5 UG/L		U										5 UG/L		U
1,2-DICHLOROETHANE	5 UG/L		U										5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U										10 UG/L		-
1,2-DICHLOROPROPANE	5 UG/L		U										5 UG/L		U
2-BUTANONE	10 UG/L		U										10 UG/L		U
2-HEXANONE	10 UG/L		U										10 UG/L		U
4-METHYL-2-PENTANONE	10 UG/L		U										10 UG/L		U
ACETONE													10 UG/L		U
BENZENE	5 UG/L		U										5 UG/L		U
BROMODICHLOROMETHANE	5 UG/L		U										5 UG/L		U
BROMOFORM	5 UG/L		U										5 UG/L		U
BROMOMETHANE	10 UG/L		U										10 UG/L		U
CARBON DISULFIDE	5 UG/L		U										5 UG/L		U
CARBON TETRACHLORIDE	5 UG/L		U										5 UG/L		U
CHLOROBENZENE	5 UG/L		U										5 UG/L		U
CHLOROETHANE	10 UG/L		U										10 UG/L		U
CHLOROFORM	5 UG/L		U										5 UG/L		U
CHLOROMETHANE	10 UG/L		U										10 UG/L		U
CIS-1,3-DICHLOROPROPENE	5 UG/L		U										5 UG/L		U
DIBROMOCHLOROMETHANE	5 UG/L		U										5 UG/L		U
ETHYLBENZENE	5 UG/L		U										5 UG/L		U

SAMPLE NUMBER:	047044			047044			046746			046748			046748		
LAB:	IT-KNOX			IT/RSL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
METHYLENE CHLORIDE													5 UG/L		U
STYRENE	5 UG/L		U										5 UG/L		U
TETRACHLOROETHENE	5 UG/L		U										5 UG/L		-
TOLUENE	5 UG/L		U										5 UG/L		U
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U										5 UG/L		U
TRICHLOROETHENE	5 UG/L		U										6 UG/L		-
VINYL ACETATE	10 UG/L		U										10 UG/L		U
VINYL CHLORIDE	10 UG/L		U										10 UG/L		U
XYLENES, TOTAL	5 UG/L		U										5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046748	046764	046765	118397	118398
TASK:	3.7	3.7	3.7	50.03.23	50.03.23
LAB:	IT	IT	IT	FERMCO	FERMCO
WELL OR BORING NUMBER:	1441	1441	1441	1441	1441
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-MAY-90	17-JUL-90	17-JUL-90	25-MAY-93	25-MAY-93
NORTH COORDINATE:	480091.99	480091.99	480091.99	480091.99	480091.99
EAST COORDINATE:	1383021.42	1383021.42	1383021.42	1383021.42	1383021.42
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	RE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE							.68 MG/L		J						
RADIONUCLIDES															
URANIUM, TOTAL				58.7 UG/L	9.1	-				88 UG/L		NV	73 UG/L		NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		UJ												
1,2-DICHLOROBENZENE	10 UG/L		UJ												
1,3-DICHLOROBENZENE	10 UG/L		UJ												
1,4-DICHLOROBENZENE	10 UG/L		UJ												
2,4,5-TRICHLOROPHENOL	50 UG/L		UR												
2,4,6-TRICHLOROPHENOL	10 UG/L		UR												
2,4-DICHLOROPHENOL	10 UG/L		UR												
2,4-DIMETHYLPHENOL	10 UG/L		UR												
2,4-DINITROPHENOL	50 UG/L		UR												
2,4-DINITROTOLUENE	10 UG/L		UJ												
2,6-DINITROTOLUENE	10 UG/L		UJ												
2-CHLORONAPHTHALENE	10 UG/L		UJ												
2-CHLOROPHENOL	10 UG/L		UR												
2-METHYLNAPHTHALENE	10 UG/L		UJ												
2-METHYLPHENOL	10 UG/L		UR												
2-NITROANILINE	50 UG/L		UJ												
2-NITROPHENOL	10 UG/L		UR												
3,3'-DICHLOROBENZIDINE	20 UG/L		UJ												
3-NITROANILINE	50 UG/L		UR												
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		UR												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		UJ												
4-CHLORO-3-METHYLPHENOL	10 UG/L		UR												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		UJ												
4-METHYLPHENOL	10 UG/L		UR												

SAMPLE NUMBER:	046748			046764			046765			118397			118398		
LAB:	IT			IT			IT			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	RE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-NITROANILINE	50 UG/L		UJ												
4-NITROPHENOL	50 UG/L		UR												
ACENAPHTHENE	10 UG/L		UJ												
ACENAPHTHYLENE	10 UG/L		UJ												
ANTHRACENE	10 UG/L		UJ												
BENZO(A)ANTHRACENE	10 UG/L		UJ												
BENZO(A)PYRENE	10 UG/L		UJ												
BENZO(B)FLUORANTHENE	10 UG/L		UJ												
BENZO(G,H,I)PERYLENE	10 UG/L		UJ												
BENZO(K)FLUORANTHENE	10 UG/L		UJ												
BENZOIC ACID	50 UG/L		UR												
BENZYL ALCOHOL	10 UG/L		UJ												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		UJ												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		UJ												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UJ												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		UJ												
BUTYL BENZYL PHTHALATE	10 UG/L		UJ												
CHRYSENE	10 UG/L		UJ												
DI-N-BUTYL PHTHALATE	10 UG/L		UJ												
DI-N-OCTYL PHTHALATE	10 UG/L		UJ												
DIBENZO(A,H)ANTHRACENE	10 UG/L		UJ												
DIBENZOFURAN	10 UG/L		UJ												
DIETHYL PHTHALATE	7 UG/L		J												
DIMETHYL PHTHALATE	10 UG/L		UJ												
FLUORANTHENE	10 UG/L		UJ												
FLUORENE	10 UG/L		UJ												
HEXACHLOROBENZENE	10 UG/L		UJ												
HEXACHLOROBUTADIENE	10 UG/L		UJ												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UJ												
HEXACHLOROETHANE	10 UG/L		UJ												
INDENO(1,2,3-CD)PYRENE	10 UG/L		UJ												
ISOPHORONE	10 UG/L		UJ												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		UJ												
N-NITROSODIPHENYLAMINE	10 UG/L		UJ												
NAPHTHALENE	10 UG/L		UJ												
NITROBENZENE	10 UG/L		UJ												
P-CHLOROANILINE	10 UG/L		UJ												
PENTACHLOROPHENOL	50 UG/L		UR												
PHENANTHRENE	10 UG/L		UJ												
PHENOL	10 UG/L		UR												
PYRENE	10 UG/L		UJ												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118399	118401-1	118402	118403	118737
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	DATACHEM	DATACHEM	CORE	CORE	TCT
WELL OR BORING NUMBER:	1441	1441	1441	1441	1442
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-MAY-93	25-MAY-93	25-MAY-93	25-MAY-93	08-JUL-93
NORTH COORDINATE:	480091.99	480091.99	480091.99	480091.99	480085.14
EAST COORDINATE:	1383021.42	1383021.42	1383021.42	1383021.42	1383110.69
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													306 MG/L		-
AMMONIA	.05 MG/L		U										.03 MG/L		U
CHLORIDE													15.1 MG/L		-
FLUORIDE													.29 MG/L		-
NITRATE/NITRITE	.06 MG/L		-												
NITRITE, AS NITROGEN													1.6 MG/L		-
PHENOLS	.02 MG/L		U										.005 MG/L		U
PHOSPHATE													.155 MG/L		R
PHOSPHORUS	2.1 MG/L		-												
SULFATE													138 MG/L		-
SULFIDE	1 MG/L		U										1 MG/L		U
TOTAL KJELDAHL NITROGEN													.192 MG/L		-
TOTAL ORGANIC CARBON	2 MG/L		-										2.3 MG/L		J
TOTAL ORGANIC HALIDES	.05 MG/L		-										.0527 MG/L		J
TOTAL ORGANIC NITROGEN													.192 MG/L		-
INORGANICS															
ALUMINUM	27.1 MG/L		-	.0235 MG/L		U							3 MG/L		-
ANTIMONY	.045 MG/L		U	.045 MG/L		U							.014 MG/L		UJ
ARSENIC	.0044 MG/L		J	.001 MG/L		UJ							.0028 MG/L		-
BARIUM	.235 MG/L		-	.0485 MG/L		-							.0929 MG/L		-
BERYLLIUM	.001 MG/L		UJ	.001 MG/L		UJ							.005 MG/L		UR
CADMIUM	.003 MG/L		U	.003 MG/L		U							.005 MG/L		U
CALCIUM	231 MG/L		-	81.7 MG/L		-							120 MG/L		-
CHROMIUM	.0366 MG/L		U	.004 MG/L		U							.006 MG/L		UJ
COBALT	.0261 MG/L		U	.006 MG/L		U							.017 MG/L		U
COPPER	.0431 MG/L		-	.004 MG/L		U							.009 MG/L		U
CYANIDE	.01 MG/L		U	.01 MG/L		U							.005 MG/L		U
IRON	53.4 MG/L		-	.0828 MG/L		U							2.9 MG/L		-
LEAD	.0238 MG/L		R	.001 MG/L		UR							.0074 MG/L		-
MAGNESIUM	73.6 MG/L		-	27.1 MG/L		-							43.2 MG/L		-

SAMPLE NUMBER:	118399			118401-1			118402			118403			118737		
LAB:	DATACHEM			DATACHEM			CORE			CORE			TCT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE	2.27 MG/L		-	.168 MG/L		-							.452 MG/L		-
MERCURY	.0002 MG/L		U	.0002 MG/L		U							.0001 MG/L		U
MOLYBDENUM													.017 MG/L		UJ
NICKEL	.0899 MG/L		U	.019 MG/L		U							.018 MG/L		UJ
POTASSIUM	6.38 MG/L		-	1.09 MG/L		-							1.27 MG/L		-
SELENIUM	.02 MG/L		UJ	.002 MG/L		UJ							.005 MG/L		UJ
SILICON													9.99 MG/L		-
SILVER	.003 MG/L		UJ	.003 MG/L		UJ							.002 MG/L		U
SODIUM	50.1 MG/L		J	59.5 MG/L		J							39.7 MG/L		-
THALLIUM	.001 MG/L		UJ	.001 MG/L		UJ							.001 MG/L		UJ
VANADIUM	.0593 MG/L		-	.006 MG/L		U							.0297 MG/L		-
ZINC	.117 MG/L		-	.006 MG/L		U							.024 MG/L		J
RADIONUCLIDES															
URANIUM-238							49.9 PCI/L	9.7	J	48 PCI/L	5.4	J			
URANIUM, TOTAL							142 UG/L	9.9	-	155 UG/L	10.8	-			
URANIUM-234							47.4 PCI/L	9.2	J	46.1 PCI/L	5.2	J			
THORIUM-230							.2 PCI/L	.2	UJ	.5 PCI/L	.3	J			
RADIUM-226							1 PCI/L	.3	U	1.5 PCI/L	.5	-			
URANIUM-235/236							2 PCI/L	.8	J	2.6 PCI/L	.8	J			
THORIUM-232							.2 PCI/L	.3	UJ	.3 PCI/L	.3	J			
THORIUM, TOTAL							1.82403432 PCI/L	.3	NV	2.7360858 PCI/L	.3	NV			
RADIUM-228							3 PCI/L	1.4	U	3 PCI/L	1.4	U			
THORIUM-228							.2 PCI/L	.8	UJ	.5 PCI/L	.4	J			
TECHNETIUM-99										106 PCI/L	10.7	J			
GROSS ALPHA							54.8 PCI/L	4.5	NV	103 PCI/L	11.1	NV			
GROSS BETA							82 PCI/L	3.1	NV	179 PCI/L	8.6	NV			
VOLATILES															
1,1,1-TRICHLOROETHANE	3 UG/L		J										10 UG/L		U
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1,2-TRICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1-DICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1-DICHLOROETHENE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	9 UG/L		J										23 UG/L		-
1,2-DICHLOROPROPANE	10 UG/L		U										10 UG/L		U
2-BUTANONE	10 UG/L		U										10 UG/L		UJ
2-HEXANONE	10 UG/L		U										10 UG/L		UJ
4-METHYL-2-PENTANONE	10 UG/L		U										10 UG/L		UJ
ACETONE	10 UG/L		U										10 UG/L		UJ
BENZENE	10 UG/L		U										10 UG/L		U
BROMODICHLOROMETHANE	10 UG/L		U										10 UG/L		U
BROMOFORM	10 UG/L		U										10 UG/L		U
BROMOMETHANE	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	118399			118401-1			118402			118403			118737		
LAB:	DATACHEM			DATACHEM			CORE			CORE			TCT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON DISULFIDE	10 UG/L		U										10 UG/L		U
CARBON TETRACHLORIDE	10 UG/L		U										10 UG/L		U
CHLOROBENZENE	10 UG/L		U										10 UG/L		U
CHLOROETHANE	10 UG/L		U										10 UG/L		U
CHLOROFORM	10 UG/L		U										10 UG/L		U
CHLOROMETHANE	10 UG/L		UJ										10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE	10 UG/L		U										10 UG/L		U
DIBROMOCHLOROMETHANE	10 UG/L		U										10 UG/L		U
ETHYLBENZENE	10 UG/L		U										10 UG/L		U
METHYLENE CHLORIDE	10 UG/L		U										10 UG/L		UJ
STYRENE	10 UG/L		U										10 UG/L		U
TETRACHLOROETHENE	12 UG/L		-										39 UG/L		-
TOLUENE	10 UG/L		U										10 UG/L		U
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U										10 UG/L		U
TRICHLOROETHENE	8 UG/L		J										13 UG/L		-
VINYL ACETATE	10 UG/L		U										10 UG/L		U
VINYL CHLORIDE	10 UG/L		U										10 UG/L		UJ
XYLENES, TOTAL	10 UG/L		U										10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118737F	118740	118740F	118741F	046936
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.7
LAB:	TCT	FERMCO	FERMCO	CORE	IT
WELL OR BORING NUMBER:	1442	1442	1442	1442	1442
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-JUL-93	08-JUL-93	08-JUL-93	08-JUL-93	17-JUL-90
NORTH COORDINATE:	480085.14	480085.14	480085.14	480085.14	480085.14
EAST COORDINATE:	1383110.69	1383110.69	1383110.69	1383110.69	1383110.69
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE													1.9 MG/L		J
INORGANICS															
ALUMINUM	.0829 MG/L		U												
ANTIMONY	.014 MG/L		U												
ARSENIC	.002 MG/L		-												
BARIUM	.0481 MG/L		-												
BERYLLIUM	.005 MG/L		UR												
CADMIUM	.005 MG/L		U												
CALCIUM	96.6 MG/L		-												
CHROMIUM	.006 MG/L		UJ												
COBALT	.017 MG/L		U												
COPPER	.009 MG/L		U												
CYANIDE	.005 MG/L		U												
IRON	.022 MG/L		U												
LEAD	.001 MG/L		U												
MAGNESIUM	34.6 MG/L		-												
MANGANESE	.172 MG/L		-												
MERCURY	.0001 MG/L		U												
MOLYBDENUM	.017 MG/L		UJ												
NICKEL	.018 MG/L		UJ												
POTASSIUM	.38 MG/L		-												
SELENIUM	.005 MG/L		UJ												
SILICON	5.45 MG/L		-												
SILVER	.002 MG/L		U												
SODIUM	38.8 MG/L		-												
THALLIUM	.001 MG/L		UJ												
VANADIUM	.0271 MG/L		-												
ZINC	.017 MG/L		-												

960000

RADIONUCLIDES

URANIUM-238
10/02/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

DRAFT
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SAMPLE NUMBER:	118737F			118740			118740F			118741F			046936		
LAB:	TCT			FERMCO			FERMCO			CORE			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL				120 UG/L		NV	120 UG/L		NV	115 UG/L	8.1	-			
URANIUM-234										50.8 PCI/L	5.5	J			
THORIUM-230										.3 PCI/L	.2	UJ			
RADIUM-226										1 PCI/L	.3	UJ			
URANIUM-235/236										3.1 PCI/L	.8	J			
THORIUM-232										.2 PCI/L	.1	UJ			
RADIUM-228										3 PCI/L	.8	UJ			
THORIUM-228										.2 PCI/L	.2	UJ			
TECHNETIUM-99										605 PCI/L	38.9	J			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046970	046750	046934	046934	046934
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1442	1442	1442	1442	1442
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-JUL-90	18-MAY-90	21-MAY-90	21-MAY-90	21-MAY-90
NORTH COORDINATE:	480085.14	480085.14	480085.14	480085.14	480085.14
EAST COORDINATE:	1383110.69	1383110.69	1383110.69	1383110.69	1383110.69
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	DL-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE				2.73 MG/L		J									
INORGANICS															
ALUMINUM							.0963 MG/L		-						
ANTIMONY							.03 MG/L		U						
ARSENIC							.002 MG/L		U						
BARIUM							.0567 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.006 MG/L		-						
CALCIUM							105 MG/L		J						
CHROMIUM							.0371 MG/L		-						
COBALT							.01 MG/L		U						
COPPER							.0105 MG/L		-						
CYANIDE													.002 MG/L		U
IRON							.0409 MG/L		U						
LEAD							.002 MG/L		U						
MAGNESIUM							40.8 MG/L		J						
MANGANESE							.0387 MG/L		-						
MERCURY							.0002 MG/L		UR						
MOLYBDENUM							.0103 MG/L		-						
NICKEL							.02 MG/L		U						
POTASSIUM							.307 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILVER							.0197 MG/L		-						
SODIUM							43.4 MG/L		J						
THALLIUM							.002 MG/L		U						
VANADIUM							.0161 MG/L		-						
ZINC							.0189 MG/L		U						
ORGANOPHOSPHORUS PESTICIDES															

000097

SAMPLE NUMBER:	046970			046750			046934			046934			046934		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			DL-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
ORGANOPHOSPHORUS PESTICIDES															
DEMETON													2 UG/L		UJ
DIAZINON													1 UG/L		UJ
DISULFOTON													.5 UG/L		UJ
ETHION													.5 UG/L		UJ
MALATHION													1 UG/L		UJ
METHYL PARATHION													1 UG/L		UJ
PARATHION													1 UG/L		UJ
PESTICIDES															
4,4'-DDD										.2 UG/L		UR	.1 UG/L		U
4,4'-DDE										.2 UG/L		UR	.1 UG/L		U
4,4'-DDT										.2 UG/L		UR	.1 UG/L		U
ALDRIN										.1 UG/L		UR	.05 UG/L		U
ALPHA-BHC										.1 UG/L		UR	.05 UG/L		U
ALPHA-CHLORDANE										1 UG/L		UR	.5 UG/L		U
AROCLOR-1016										1 UG/L		UR	.5 UG/L		U
AROCLOR-1221										1 UG/L		UR	.5 UG/L		U
AROCLOR-1232										1 UG/L		UR	.5 UG/L		U
AROCLOR-1242										1 UG/L		UR	.5 UG/L		U
AROCLOR-1248										1 UG/L		UR	.5 UG/L		U
AROCLOR-1254										2 UG/L		UR	1 UG/L		U
AROCLOR-1260										2 UG/L		UR	1 UG/L		U
BETA-BHC										.1 UG/L		UR	.05 UG/L		U
DELTA-BHC										.1 UG/L		UR	.05 UG/L		U
DIELDRIN										.2 UG/L		UR	.1 UG/L		U
ENDOSULFAN II										.2 UG/L		UR	.1 UG/L		U
ENDOSULFAN SULFATE										.2 UG/L		UR	.1 UG/L		U
ENDOSULFAN-I										.1 UG/L		UR	.05 UG/L		U
ENDRIN										.2 UG/L		UR	.1 UG/L		U
ENDRIN KETONE										.2 UG/L		UR	.1 UG/L		U
GAMMA-BHC (LINDANE)										.1 UG/L		UR	.05 UG/L		U
GAMMA-CHLORDANE										1 UG/L		UR	.5 UG/L		U
HEPTACHLOR										.1 UG/L		UR	.05 UG/L		U
HEPTACHLOR EPOXIDE										.1 UG/L		UR	.05 UG/L		U
METHOXYCHLOR										1 UG/L		UR	.5 UG/L		U
TOXAPHENE										2 UG/L		UR	1 UG/L		U
RADIONUCLIDES															
URANIUM, TOTAL	191 UG/L	24	-												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U

SAMPLE NUMBER:	046970			046750			046934			046934			046934		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			DL-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													50 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U
2,4-DINITROPHENOL													50 UG/L		U
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													50 UG/L		U
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													20 UG/L		UJ
3-NITROANILINE													50 UG/L		UJ
4,6-DINITRO-2-METHYLPHENOL													50 UG/L		U
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													50 UG/L		U
4-NITROPHENOL													50 UG/L		UJ
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		U
BENZOIC ACID													50 UG/L		U
BENZYL ALCOHOL													10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		U
BUTYL BENZYL PHTHALATE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													10 UG/L		U
DI-N-OCTYL PHTHALATE													10 UG/L		U
DIBENZO(A,H)ANTHRACENE													10 UG/L		U
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U

SAMPLE NUMBER:	046970			046750			046934			046934			046934		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			DL-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		U
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		U
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		UJ
PENTACHLOROPHENOL													50 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL													10 UG/L		U
PYRENE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE													5 UG/L		U
1,1,2,2-TETRACHLOROETHANE													5 UG/L		UJ
1,1,2-TRICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHANE													1 UG/L		J
1,1-DICHLOROETHENE													5 UG/L		U
1,2-DICHLOROETHANE													5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													43 UG/L		-
1,2-DICHLOROPROPANE													5 UG/L		U
2-BUTANONE													10 UG/L		UR
2-HEXANONE													10 UG/L		UJ
4-METHYL-2-PENTANONE													10 UG/L		UJ
ACETONE													10 UG/L		UJ
BENZENE													5 UG/L		U
BROMODICHLOROMETHANE													5 UG/L		U
BROMOFORM													5 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													5 UG/L		U
CARBON TETRACHLORIDE													5 UG/L		U
CHLOROBENZENE													5 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													5 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													5 UG/L		U
DIBROMOCHLOROMETHANE													5 UG/L		U
ETHYLBENZENE													5 UG/L		U
METHYLENE CHLORIDE													13 UG/L		U
STYRENE													5 UG/L		U

SAMPLE NUMBER:	046970			046750			046934			046934			046934		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			DL-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TETRACHLOROETHENE													8 UG/L		-
TOLUENE													5 UG/L		U
TRANS-1,3-DICHLOROPROPENE													5 UG/L		U
TRICHLOROETHENE													6 UG/L		-
VINYL ACETATE													10 UG/L		UJ
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046935	046935	046760	046760	046762
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1442	1442	1443	1443	1443
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-MAY-90	21-MAY-90	05-JUN-90	05-JUN-90	17-JUL-90
NORTH COORDINATE:	480085.14	480085.14	480123.12	480123.12	480123.12
EAST COORDINATE:	1383110.69	1383110.69	1383232.48	1383232.48	1383232.48
QA TYPE:	DUPLICATE	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:	046934	046934			
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE													.62 MG/L		J
INORGANICS															
ALUMINUM	.11 MG/L		-				1.01 MG/L		-						
ANTIMONY	.03 MG/L		U				.03 MG/L		U						
ARSENIC	.002 MG/L		U				.002 MG/L		U						
BARIUM	.056 MG/L		-				.0931 MG/L		-						
BERYLLIUM	.0022 MG/L		-				.002 MG/L		U						
CADMIUM	.0059 MG/L		-				.0086 MG/L		J						
CALCIUM	103 MG/L		J				103 MG/L		-						
CHROMIUM	.0366 MG/L		-				.0394 MG/L		J						
COBALT	.01 MG/L		U				.01 MG/L		U						
COPPER	.0103 MG/L		-				.015 MG/L		-						
CYANIDE				.002 MG/L		U				.002 MG/L		UJ			
IRON	.0574 MG/L		U				1.5 MG/L		-						
LEAD	.002 MG/L		U				.002 MG/L		U						
MAGNESIUM	40.2 MG/L		J				52.7 MG/L		-						
MANGANESE	.0424 MG/L		-				.55 MG/L		-						
MERCURY	.0002 MG/L		UR				.0002 MG/L		UR						
MOLYBDENUM	.01 MG/L		U				.0118 MG/L		-						
NICKEL	.027 MG/L		-				.0338 MG/L		-						
POTASSIUM	.262 MG/L		-				1.43 MG/L		-						
SELENIUM	.002 MG/L		U				.002 MG/L		UJ						
SILVER	.0185 MG/L		-				.0185 MG/L		-						
SODIUM	42.8 MG/L		J				11.3 MG/L		-						
THALLIUM	.002 MG/L		U				.002 MG/L		U						
VANADIUM	.0154 MG/L		-				.0202 MG/L		-						
ZINC	.0197 MG/L		U				.0217 MG/L		U						-
ORGANOPHOSPHORUS PESTICIDES															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

AZINPHOSMETHYL				1 UG/L		U									
SAMPLE NUMBER:	046935			046935			046760			046760			046762		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
ORGANOPHOSPHORUS PESTICIDES															
DEMETON				2 UG/L		U									
DIAZINON				1 UG/L		UJ									
DISULFOTON				.5 UG/L		U									
ETHION				.5 UG/L		U									
MALATHION				1 UG/L		U									
METHYL PARATHION				1 UG/L		U									
PARATHION				1 UG/L		U									
PESTICIDES															
4,4'-DDD				.1 UG/L		U				.1 UG/L		U			
4,4'-DDE				.1 UG/L		U				.1 UG/L		U			
4,4'-DDT				.1 UG/L		U				.1 UG/L		U			
ALDRIN				.05 UG/L		U				.05 UG/L		U			
ALPHA-BHC				.05 UG/L		U				.05 UG/L		U			
ALPHA-CHLORDANE				.5 UG/L		U				.5 UG/L		U			
AROCLOR-1016				.5 UG/L		U				.5 UG/L		U			
AROCLOR-1221				.5 UG/L		U				.5 UG/L		U			
AROCLOR-1232				.5 UG/L		U				.5 UG/L		U			
AROCLOR-1242				.5 UG/L		U				.5 UG/L		U			
AROCLOR-1248				.5 UG/L		U				.5 UG/L		U			
AROCLOR-1254				1 UG/L		U				1 UG/L		U			
AROCLOR-1260				1 UG/L		U				1 UG/L		U			
BETA-BHC				.05 UG/L		U				.05 UG/L		U			
DELTA-BHC				.05 UG/L		U				.05 UG/L		U			
DIELDRIN				.1 UG/L		U				.1 UG/L		U			
ENDOSULFAN II				.1 UG/L		U				.1 UG/L		U			
ENDOSULFAN SULFATE				.1 UG/L		U				.1 UG/L		U			
ENDOSULFAN-I				.05 UG/L		U				.05 UG/L		U			
ENDRIN				.1 UG/L		U				.1 UG/L		U			
ENDRIN KETONE				.1 UG/L		U				.1 UG/L		U			
GAMMA-BHC (LINDANE)				.05 UG/L		U				.05 UG/L		U			
GAMMA-CHLORDANE				.5 UG/L		U				.5 UG/L		U			
HEPTACHLOR				.05 UG/L		U				.05 UG/L		U			
HEPTACHLOR EPOXIDE				.05 UG/L		U				.05 UG/L		U			
METHOXYCHLOR				.5 UG/L		U				.5 UG/L		U			
TOXAPHENE				1 UG/L		U				1 UG/L		U			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,2-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,3-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,4-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
2,4,5-TRICHLOROPHENOL				50 UG/L		U				50 UG/L		U			
2,4,6-TRICHLOROPHENOL				10 UG/L		U				10 UG/L		U			

000103

SAMPLE NUMBER:	046935			046935			046760			046760			046762		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DICHLOROPHENOL				10 UG/L		U				10 UG/L		U			
2,4-DIMETHYLPHENOL				10 UG/L		U				10 UG/L		UJ			
2,4-DINITROPHENOL				50 UG/L		U				50 UG/L		UJ			
2,4-DINITROTOLUENE				10 UG/L		U				10 UG/L		U			
2,6-DINITROTOLUENE				10 UG/L		U				10 UG/L		U			
2-CHLORONAPHTHALENE				10 UG/L		U				10 UG/L		U			
2-CHLOROPHENOL				10 UG/L		U				10 UG/L		U			
2-METHYLNAPHTHALENE				10 UG/L		U				10 UG/L		U			
2-METHYLPHENOL				10 UG/L		U				10 UG/L		UJ			
2-NITROANILINE				50 UG/L		U				50 UG/L		U			
2-NITROPHENOL				10 UG/L		U				10 UG/L		U			
3,3'-DICHLOROBENZIDINE				20 UG/L		UJ				20 UG/L		UJ			
3-NITROANILINE				50 UG/L		UJ				50 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U				50 UG/L		U			
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U				10 UG/L		U			
4-CHLORO-3-METHYLPHENOL				10 UG/L		U				10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U				10 UG/L		U			
4-METHYLPHENOL				10 UG/L		U				10 UG/L		UJ			
4-NITROANILINE				50 UG/L		U				50 UG/L		U			
4-NITROPHENOL				50 UG/L		U				50 UG/L		UJ			
ACENAPHTHENE				10 UG/L		U				10 UG/L		U			
ACENAPHTHYLENE				10 UG/L		U				10 UG/L		U			
ANTHRACENE				10 UG/L		U				10 UG/L		U			
BENZO(A)ANTHRACENE				10 UG/L		U				10 UG/L		U			
BENZO(A)PYRENE				10 UG/L		U				10 UG/L		U			
BENZO(B)FLUORANTHENE				10 UG/L		U				10 UG/L		U			
BENZO(G,H,I)PERYLENE				10 UG/L		U				10 UG/L		UJ			
BENZO(K)FLUORANTHENE				10 UG/L		U				10 UG/L		U			
BENZOIC ACID				50 UG/L		U				50 UG/L		UJ			
BENZYL ALCOHOL				10 UG/L		UJ				10 UG/L		UJ			
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U				10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U				10 UG/L		UJ			
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U				10 UG/L		UJ			
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U				10 UG/L		U			
BUTYL BENZYL PHTHALATE				10 UG/L		U				10 UG/L		U			
CHRYSENE				10 UG/L		U				10 UG/L		U			
DI-N-BUTYL PHTHALATE				10 UG/L		U				10 UG/L		U			
DI-N-OCTYL PHTHALATE				10 UG/L		U				10 UG/L		U			
DIBENZO(A,H)ANTHRACENE				10 UG/L		U				10 UG/L		UJ			
DIBENZOFURAN				10 UG/L		U				10 UG/L		U			
DIETHYL PHTHALATE				10 UG/L		U				10 UG/L		U			
DIMETHYL PHTHALATE				10 UG/L		U				10 UG/L		U			
FLUORANTHENE				10 UG/L		U				10 UG/L		U			
FLUORENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROBENZENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROBUTADIENE				10 UG/L		U				10 UG/L		U			

SAMPLE NUMBER:	046935			046935			046760			046760			046762		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROETHANE				10 UG/L		U				10 UG/L		UJ			
INDENO(1,2,3-CD)PYRENE				10 UG/L		U				10 UG/L		U			
ISOPHORONE				10 UG/L		U				10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U				10 UG/L		U			
N-NITROSODIPHENYLAMINE				10 UG/L		U				10 UG/L		U			
NAPHTHALENE				10 UG/L		U				10 UG/L		U			
NITROBENZENE				10 UG/L		U				10 UG/L		U			
P-CHLOROANILINE				10 UG/L		UJ				10 UG/L		U			
PENTACHLOROPHENOL				50 UG/L		U				50 UG/L		U			
PHENANTHRENE				10 UG/L		U				10 UG/L		U			
PHENOL				10 UG/L		U				10 UG/L		U			
PYRENE				10 UG/L		U				10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		U				5 UG/L		U			
1,1,2,2-TETRACHLOROETHANE				5 UG/L		UJ				5 UG/L		U			
1,1,2-TRICHLOROETHANE				5 UG/L		U				5 UG/L		U			
1,1-DICHLOROETHANE				1 UG/L		J				5 UG/L		U			
1,1-DICHLOROETHENE				5 UG/L		U				5 UG/L		U			
1,2-DICHLOROETHANE				5 UG/L		U				5 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)				45 UG/L		-				5 UG/L		U			
1,2-DICHLOROPROPANE				5 UG/L		U				5 UG/L		U			
2-BUTANONE				10 UG/L		UR				10 UG/L		UJ			
2-HEXANONE				10 UG/L		UJ				10 UG/L		U			
4-METHYL-2-PENTANONE				10 UG/L		UJ				10 UG/L		U			
ACETONE				5 UG/L		J				10 UG/L		R			
BENZENE				5 UG/L		U				5 UG/L		U			
BROMODICHLOROMETHANE				5 UG/L		U				5 UG/L		U			
BROMOFORM				5 UG/L		U				5 UG/L		U			
BROMOMETHANE				10 UG/L		U				10 UG/L		U			
CARBON DISULFIDE				5 UG/L		U				2 UG/L		J			
CARBON TETRACHLORIDE				5 UG/L		U				5 UG/L		U			
CHLOROBENZENE				5 UG/L		U				5 UG/L		U			
CHLOROETHANE				10 UG/L		U				10 UG/L		U			
CHLOROFORM				5 UG/L		U				5 UG/L		U			
CHLOROMETHANE				10 UG/L		U				10 UG/L		U			
CIS-1,3-DICHLOROPROPENE				5 UG/L		U				5 UG/L		U			
DIBROMOCHLOROMETHANE				5 UG/L		U				5 UG/L		U			
ETHYLBENZENE				5 UG/L		U				5 UG/L		U			
METHYLENE CHLORIDE				15 UG/L		U				21 UG/L		U			
STYRENE				5 UG/L		U				5 UG/L		U			
TETRACHLOROETHENE				8 UG/L		-				5 UG/L		U			
TOLUENE				5 UG/L		U				5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U				5 UG/L		U			
TRICHLOROETHENE				6 UG/L		-				5 UG/L		U			

100105

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046935			046935			046760			046760			046762		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL ACETATE				10 UG/L		UJ				10 UG/L		U			
VINYL CHLORIDE				10 UG/L		U				10 UG/L		U			
XYLENES, TOTAL				5 UG/L		U				5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046763	046759	118381	118382	118383
TASK:	3.7	3.7	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	FERMCO	FERMCO	DATACHEM
WELL OR BORING NUMBER:	1443	1443	1443	1443	1443
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-JUL-90	21-MAY-90	26-MAY-93	26-MAY-93	26-MAY-93
NORTH COORDINATE:	480123.12	480123.12	480123.12	480123.12	480123.12
EAST COORDINATE:	1383232.48	1383232.48	1383232.48	1383232.48	1383232.48
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													370 MG/L		-
AMMONIA													.05 MG/L		U
CHLORIDE													12 MG/L		-
FLUORIDE													.4 MG/L		-
NITRATE				.1 MG/L		J							3.3 MG/L		-
NITRATE/NITRITE													3.3 MG/L		-
PHENOLS													.002 MG/L		UJ
PHOSPHORUS													5.6 MG/L		-
SULFATE													78 MG/L		-
SULFIDE													1 MG/L		U
TOTAL ORGANIC CARBON													2 MG/L		-
TOTAL ORGANIC HALIDES													.03 MG/L		-
INORGANICS															
ALUMINUM													35.3 MG/L		J
ANTIMONY													.045 MG/L		U
ARSENIC													.0035 MG/L		J
BARIUM													.337 MG/L		J
BERYLLIUM													.0018 MG/L		-
CADMIUM													.003 MG/L		U
CALCIUM													422 MG/L		-
CHROMIUM													.0541 MG/L		-
COBALT													.0402 MG/L		-
COPPER													.0654 MG/L		-
CYANIDE													.01 MG/L		U
IRON													70.8 MG/L		-
LEAD													.0409 MG/L		J
MAGNESIUM													157 MG/L		-
MANGANESE													3.26 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL													.0749 MG/L		-

000107

SAMPLE NUMBER:	046763			046759			118381			118382			118383		
LAB:	IT			IT			FERMCO			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM													8.34 MG/L		-
SELENIUM													.002 MG/L		UJ
SILVER													.003 MG/L		UJ
SODIUM													9.71 MG/L		-
THALLIUM													.001 MG/L		U
VANADIUM													.0669 MG/L		-
ZINC													.165 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	15.2 UG/L	2.2	-				13 UG/L		NV	6.8 UG/L		NV			
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		U
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL ACETATE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U

SAMPLE NUMBER:	046763			046759			118381			118382			118383		
LAB:	IT			IT			FERMCO			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL													10 UG/L		U

000109

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118384	118386	118385	046753	046755
TASK:	50.03.23	50.03.23	50.03.23	3.7	3.7
LAB:	DATACHEM	CORE	CORE	IT	IT
WELL OR BORING NUMBER:	1443	1443	1443	1444	1444
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-MAY-93	26-MAY-93	27-MAY-93	08-MAY-90	17-JUL-90
NORTH COORDINATE:	480123.12	480123.12	480123.12	480070.16	480070.16
EAST COORDINATE:	1383232.48	1383232.48	1383232.48	1383192.35	1383192.35
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE										22.1 MG/L		J			
INORGANICS															
ALUMINUM	3.48 MG/L		J												
ANTIMONY	.045 MG/L		UJ												
ARSENIC	.001 MG/L		UJ												
BARIUM	.159 MG/L		J												
BERYLLIUM	.001 MG/L		UJ												
CADMIUM	.003 MG/L		UJ												
CALCIUM	195 MG/L		J												
CHROMIUM	.0077 MG/L		J												
COBALT	.006 MG/L		UJ												
COPPER	.0072 MG/L		J												
CYANIDE	.01 MG/L		U												
IRON	6.92 MG/L		J												
LEAD	.0022 MG/L		J												
MAGNESIUM	61 MG/L		J												
MANGANESE	.8 MG/L		J												
MERCURY	.0002 MG/L		UJ												
NICKEL	.019 MG/L		UJ												
POTASSIUM	2.64 MG/L		J												
SELENIUM	.002 MG/L		UJ												
SILVER	.003 MG/L		UJ												
SODIUM	9.16 MG/L		J												
THALLIUM	.001 MG/L		UJ												
VANADIUM	.0073 MG/L		J												
ZINC	.0153 MG/L		J												
RADIONUCLIDES															
URANIUM-238				2.5 PCI/L	.5	J	3.2 PCI/L	.5	J						

SAMPLE NUMBER:	118384			118386			118385			046753			046755		
LAB:	DATACHEM			CORE			CORE			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL				8.2 UG/L	.6	-	8 UG/L	.6	-				13.3 UG/L	1.4	-
URANIUM-234				2.4 PCI/L	.5	J	3 PCI/L	.5	J						
THORIUM-230				.2 PCI/L	.2	UJ	.6 PCI/L	.4	R						
RADIUM-226				1.2 PCI/L	.6	-	2.7 PCI/L	.8	-						
URANIUM-235/236				.3 PCI/L	.2	J	.3 PCI/L	.2	J						
THORIUM-232				.2 PCI/L	.2	UJ	.7 PCI/L	.3	R						
RADIUM-228				3 PCI/L	1.4	U	3 PCI/L	1.8	U						
THORIUM-228				.3 PCI/L	.2	UJ	.6 PCI/L	.3	R						
TECHNETIUM-99				223 PCI/L	16.8	J	239 PCI/L	18	J						
GROSS ALPHA				8.6 PCI/L	3.7	NV	69.5 PCI/L	18.7	NV						
GROSS BETA				189 PCI/L	8.8	NV	246 PCI/L	25.1	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046756	046754	118389	118390	118391
TASK:	3.7	3.7	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	FERMCO	FERMCO	DATACHEM
WELL OR BORING NUMBER:	1444	1444	1444	1444	1444
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-JUL-90	17-MAY-90	26-MAY-93	26-MAY-93	26-MAY-93
NORTH COORDINATE:	480070.16	480070.16	480070.16	480070.16	480070.16
EAST COORDINATE:	1383192.35	1383192.35	1383192.35	1383192.35	1383192.35
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													340 MG/L		-
AMMONIA													.05 MG/L		U
CHLORIDE													61 MG/L		-
FLUORIDE													.4 MG/L		-
NITRATE	18.1 MG/L		J										22 MG/L		-
NITRATE/NITRITE													22 MG/L		-
PHENOLS													.002 MG/L		UJ
PHOSPHORUS													.14 MG/L		-
SULFATE													150 MG/L		-
SULFIDE													1 MG/L		U
TOTAL ORGANIC CARBON													2 MG/L		-
TOTAL ORGANIC HALIDES													.04 MG/L		-
INORGANICS															
ALUMINUM				.0941 MG/L		-							.406 MG/L		U
ANTIMONY				.03 MG/L		U							.045 MG/L		U
ARSENIC				.002 MG/L		U							.001 MG/L		U
BARIUM				.0898 MG/L		-							.092 MG/L		-
BERYLLIUM				.002 MG/L		U							.001 MG/L		U
CADMIUM				.0087 MG/L		-							.003 MG/L		U
CALCIUM				119 MG/L		J							124 MG/L		-
CHROMIUM				.0365 MG/L		-							.0046 MG/L		-
COBALT				.01 MG/L		U							.006 MG/L		U
COPPER				.0105 MG/L		-							.004 MG/L		U
CYANIDE				.002 MG/L		U							.01 MG/L		U
IRON				.0642 MG/L		U							.885 MG/L		-
LEAD				.002 MG/L		UJ							.001 MG/L		U
MAGNESIUM				59.9 MG/L		J							61.3 MG/L		-
MANGANESE				.0095 MG/L		-							.0215 MG/L		-
MERCURY				.0002 MG/L		UR							.0002 MG/L		U
MOLYBDENUM				.01 MG/L		U									

SAMPLE NUMBER:	046756			046754			118389			118390			118391		
LAB:	IT			IT			FERMCO			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.0217 MG/L		-							.019 MG/L		U
POTASSIUM				1.3 MG/L		-							1.52 MG/L		-
SELENIUM				.002 MG/L		U							.002 MG/L		UJ
SILVER				.0197 MG/L		-							.003 MG/L		UJ
SODIUM				66 MG/L		J							51.7 MG/L		-
THALLIUM				.002 MG/L		U							.001 MG/L		UJ
VANADIUM				.0161 MG/L		-							.004 MG/L		U
ZINC				.0221 MG/L		U							.006 MG/L		U
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.5 UG/L		U									
AROCLOR-1016				.5 UG/L		U									
AROCLOR-1221				.5 UG/L		U									
AROCLOR-1232				.5 UG/L		U									
AROCLOR-1242				.5 UG/L		U									
AROCLOR-1248				.5 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.5 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				1 UG/L		U									
RADIONUCLIDES															
URANIUM, TOTAL							4.4 UG/L		NV	3.9 UG/L		NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									

SAMPLE NUMBER:	046756			046754			118389			118390			118391		
LAB:	IT			IT			FERMCO			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				50 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		U									
2,4-DINITROPHENOL				50 UG/L		U									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				50 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				20 UG/L		UJ									
3-NITROANILINE				50 UG/L		UJ									
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				50 UG/L		U									
4-NITROPHENOL				50 UG/L		U									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		U									
BENZO(K)FLUORANTHENE				10 UG/L		U									
BENZOIC ACID				50 UG/L		U									
BENZYL ALCOHOL				10 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		U									
DIBENZO(A,H)ANTHRACENE				10 UG/L		U									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									

SAMPLE NUMBER:	046756			046754			118389			118390			118391		
LAB:	IT			IT			FERMCO			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		U									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		U									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		UJ									
PENTACHLOROPHENOL				50 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		U							.002 MG/L		UJ
PYRENE				10 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		UJ							10 UG/L		U
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U							10 UG/L		U
1,1,2-TRICHLOROETHANE				5 UG/L		U							10 UG/L		U
1,1-DICHLOROETHANE				4 UG/L		J							3 UG/L		J
1,1-DICHLOROETHENE				5 UG/L		U							10 UG/L		U
1,2-DICHLOROETHANE				5 UG/L		U							10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)				92 UG/L		-							89 UG/L		-
1,2-DICHLOROPROPANE				5 UG/L		U							10 UG/L		U
2-BUTANONE				10 UG/L		UJ							10 UG/L		U
2-HEXANONE				10 UG/L		U							10 UG/L		U
4-METHYL-2-PENTANONE				2 UG/L		J							10 UG/L		U
ACETONE				10 UG/L		U							10 UG/L		U
BENZENE				5 UG/L		UJ							10 UG/L		U
BROMODICHLOROMETHANE				5 UG/L		U							10 UG/L		U
BROMOFORM				5 UG/L		U							10 UG/L		U
BROMOMETHANE				10 UG/L		UJ							10 UG/L		U
CARBON DISULFIDE				2 UG/L		J							10 UG/L		U
CARBON TETRACHLORIDE				5 UG/L		U							10 UG/L		U
CHLOROBENZENE				5 UG/L		UJ							10 UG/L		U
CHLOROETHANE				10 UG/L		U							10 UG/L		U
CHLOROFORM				5 UG/L		U							10 UG/L		U
CHLOROMETHANE				10 UG/L		U							10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE				5 UG/L		U							10 UG/L		U
DIBROMOCHLOROMETHANE				5 UG/L		U							10 UG/L		U
ETHYLBENZENE				5 UG/L		UJ							10 UG/L		U
METHYLENE CHLORIDE				6 UG/L		U							10 UG/L		U
STYRENE				5 UG/L		UJ							10 UG/L		U

SAMPLE NUMBER:	046756			046754			118389			118390			118391		
LAB:	IT			IT			FERMCO			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TETRACHLOROETHENE				2 UG/L		J							2 UG/L		J
TOLUENE				5 UG/L		UJ							10 UG/L		U
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U							10 UG/L		U
TRICHLOROETHENE				4 UG/L		J							6 UG/L		J
VINYL ACETATE				10 UG/L		U							10 UG/L		U
VINYL CHLORIDE				6 UG/L		J							10 UG/L		U
XYLENES, TOTAL				5 UG/L		UJ							10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118392	118394	118401	046784	046786
TASK:	50.03.23	50.03.23	50.03.23	3.7	3.7
LAB:	DATACHEM	CORE	CORE	IT	IT
WELL OR BORING NUMBER:	1444	1444	1444	1447	1447
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-MAY-93	26-MAY-93	27-MAY-93	01-JUN-90	05-JUN-90
NORTH COORDINATE:	480070.16	480070.16	480070.16	479991.53	479991.53
EAST COORDINATE:	1383192.35	1383192.35	1383192.35	1383019.18	1383019.18
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE										11.9 MG/L		J			
INORGANICS															
ALUMINUM	.014 MG/L		U										.0991 MG/L		-
ANTIMONY	.045 MG/L		U										.03 MG/L		U
ARSENIC	.001 MG/L		U										.002 MG/L		U
BARIUM	.0865 MG/L		-										.0838 MG/L		-
BERYLLIUM	.001 MG/L		U										.002 MG/L		U
CADMIUM	.003 MG/L		U										.0048 MG/L		J
CALCIUM	122 MG/L		-										151 MG/L		-
CHROMIUM	.0048 MG/L		-										.0431 MG/L		-
COBALT	.006 MG/L		U										.01 MG/L		U
COPPER	.004 MG/L		U										.0176 MG/L		-
CYANIDE	.01 MG/L		U												
IRON	.0194 MG/L		U										.0482 MG/L		-
LEAD	.0011 MG/L		J										.0037 MG/L		-
MAGNESIUM	60.4 MG/L		-										37.8 MG/L		-
MANGANESE	.001 MG/L		U										.0129 MG/L		-
MERCURY	.0002 MG/L		U										.0002 MG/L		UR
MOLYBDENUM													.01 MG/L		U
NICKEL	.019 MG/L		U										.0207 MG/L		-
POTASSIUM	1.44 MG/L		-										1.94 MG/L		-
SELENIUM	.002 MG/L		UJ										.002 MG/L		U
SILVER	.003 MG/L		UJ										.0218 MG/L		-
SODIUM	51.2 MG/L		-										74.1 MG/L		-
THALLIUM	.001 MG/L		UJ										.002 MG/L		U
VANADIUM	.004 MG/L		U										.0187 MG/L		-
ZINC	.006 MG/L		U										.0121 MG/L		U
RADIONUCLIDES															

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118392			118394			118401			046784			046786		
LAB:	DATACHEM			CORE			CORE			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL				5.5 UG/L	.4	-	2.3 UG/L	.2	-						
URANIUM-234				1.8 PCI/L	.4	J	1.3 PCI/L	.4	J						
THORIUM-230				.2 PCI/L	.2	R	.3 PCI/L	.3	J						
RADIUM-226				1 PCI/L	.4	U	1 PCI/L	.3	UJ						
URANIUM-235/236				.2 PCI/L	.5	UJ	.2 PCI/L	.5	UJ						
THORIUM-232				.3 PCI/L	.3	R	.2 PCI/L	.3	UJ						
RADIUM-228				3 PCI/L	.9	U	3 PCI/L	1.1	U						
THORIUM-228				.1 PCI/L	2.6	R	.2 PCI/L	.6	UJ						
TECHNETIUM-99				1610 PCI/L	90.5	-	2880 PCI/L	161	-						
GROSS ALPHA				8.4 PCI/L	2.6	NV	5.3 PCI/L	3.4	NV						
GROSS BETA				1530 PCI/L	19.8	NV	1830 PCI/L	18.7	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046786			046786			046782			046787			118373		
TASK:	3.7			3.7			3.7			3.7			50.03.23		
LAB:	IT			IT			IT			IT			FERMCO		
WELL OR BORING NUMBER:	1447			1447			1447			1447			1447		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-JUN-90			05-JUN-90			17-JUL-90			17-JUL-90			26-MAY-93		
NORTH COORDINATE:	479991.53			479991.53			479991.53			479991.53			479991.53		
EAST COORDINATE:	1383019.18			1383019.18			1383019.18			1383019.18			1383019.18		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN				.65 NG/L		U									
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN				.22 NG/L		U									
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN				.23 NG/L		U									
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN				.54 NG/L		U									
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN				.18 NG/L		U									
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN				.46 NG/L		U									
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN				.17 NG/L		U									
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN				.63 NG/L		U									
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN				.23 NG/L		U									
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN				.78 NG/L		U									
1,2,3,7,8-PENTACHLORODIBENZOFURAN				.28 NG/L		U									
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN				.33 NG/L		U									
2,3,4,7,8-PENTACHLORODIBENZOFURAN				.31 NG/L		U									
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN				1.7 NG/L		U									
2,3,7,8-TETRACHLORODIBENZOFURAN				.7 NG/L		U									
HEPTACHLORODIBENZO-P-DIOXINS				.65 NG/L		U									

SAMPLE NUMBER:	046786			046786			046782			046787			118373		
LAB:	IT			IT			IT			IT			FERMCO		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
HEPTACHLORODIBENZOFURANS				.78 NG/L		U									
HEXACHLORODIBENZO-P-DIOXINS				.73 NG/L		U									
HEXACHLORODIBENZOFURANS				.4 NG/L		U									
OCTACHLORODIBENZO-P-DIOXIN				1.5 NG/L		U									
OCTACHLORODIBENZOFURAN				.38 NG/L		U									
PENTACHLORODIBENZO-P-DIOXINS				.78 NG/L		U									
PENTACHLORODIBENZOFURANS				.28 NG/L		U									
TETRACHLORODIBENZO-P-DIOXINS				.26 NG/L		U									
TETRACHLORODIBENZOFURANS				.64 NG/L		U									
GENERAL CHEMISTRY															
NITRATE										12.6 MG/L		J			
INORGANICS															
CYANIDE				.002 MG/L		UJ									
PESTICIDES															
4,4'-DDD	.2 UG/L		U												
4,4'-DDE	.2 UG/L		U												
4,4'-DDT	.2 UG/L		U												
ALDRIN	.1 UG/L		U												
ALPHA-BHC	.1 UG/L		U												
ALPHA-CHLORDANE	1 UG/L		U												
AROCLOR-1016	1 UG/L		U												
AROCLOR-1221	1 UG/L		U												
AROCLOR-1232	1 UG/L		U												
AROCLOR-1242	1 UG/L		U												
AROCLOR-1248	1 UG/L		U												
AROCLOR-1254	2 UG/L		U												
AROCLOR-1260	2 UG/L		U												
BETA-BHC	.1 UG/L		U												
DELTA-BHC	.1 UG/L		U												
DIELDRIN	.2 UG/L		U												
ENDOSULFAN II	.2 UG/L		U												
ENDOSULFAN SULFATE	.2 UG/L		U												
ENDOSULFAN-I	.1 UG/L		U												
ENDRIN	.2 UG/L		U												
ENDRIN KETONE	.2 UG/L		U												
GAMMA-BHC (LINDANE)	.1 UG/L		U												
GAMMA-CHLORDANE	1 UG/L		U												
HEPTACHLOR	.1 UG/L		U	.65 NG/L		U									
HEPTACHLOR EPOXIDE	.1 UG/L		U												

SAMPLE NUMBER:	046786			046786			046782			046787			118373		
LAB:	IT			IT			IT			IT			FERMCO		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
METHOXYCHLOR	1 UG/L		U												
TOXAPHENE	2 UG/L		U												
RADIONUCLIDES															
URANIUM, TOTAL							350 UG/L	61	-				260 UG/L		NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				50 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		UJ									
2,4-DINITROPHENOL				50 UG/L		UJ									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		UJ									
2-NITROANILINE				50 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				20 UG/L		UJ									
3-NITROANILINE				50 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		UJ									
4-NITROANILINE				50 UG/L		U									
4-NITROPHENOL				50 UG/L		UJ									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		UJ									
BENZO(K)FLUORANTHENE				10 UG/L		U									
BENZOIC ACID				50 UG/L		UJ									
BENZYL ALCOHOL				10 UG/L		UJ									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		UJ									

000221

6417

SAMPLE NUMBER:	046786	046786	046782	046787	118373
LAB:	IT	IT	IT	IT	FERMCO
SUFFIX/FILTERFLAG:	DL-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		UJ									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		U									
DIBENZO(A,H)ANTHRACENE				10 UG/L		UJ									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		U									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U									
HEXACHLOROETHANE				10 UG/L		UJ									
INDENO(1,2,3-CD)PYRENE				10 UG/L		U									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				50 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				1 UG/L		J									
PYRENE				10 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,2-TRICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHENE				5 UG/L		U									
1,2-DICHLOROETHANE				5 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U									
1,2-DICHLOROPROPANE				5 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				3 UG/L		J									
BENZENE				5 UG/L		U									
BROMODICHLOROMETHANE				5 UG/L		U									
BROMOFORM				5 UG/L		U									
BROMOMETHANE				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118374	118375	118376	118377	118378
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	FERMCO	DATACHEM	DATACHEM	CORE	CORE
WELL OR BORING NUMBER:	1447	1447	1447	1447	1447
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-MAY-93	26-MAY-93	26-MAY-93	26-MAY-93	26-MAY-93
NORTH COORDINATE:	479991.53	479991.53	479991.53	479991.53	479991.53
EAST COORDINATE:	1383019.18	1383019.18	1383019.18	1383019.18	1383019.18
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				.45 MG/L		-									
AMMONIA				.05 MG/L		U									
CHLORIDE				.032 MG/L		-									
FLUORIDE				.4 MG/L		-									
NITRATE/NITRITE				1.1 MG/L		-									
PHENOLS				.002 MG/L		UJ									
PHOSPHORUS				.9 MG/L		-									
SULFATE				.17 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL ORGANIC CARBON				4 MG/L		-									
TOTAL ORGANIC HALIDES				.04 MG/L		-									
INORGANICS															
ALUMINUM				22.4 MG/L		J	.014 MG/L		U						
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.0032 MG/L		-	.001 MG/L		U						
BARIUM				.239 MG/L		J	.0788 MG/L		-						
BERYLLIUM				.0014 MG/L		-	.001 MG/L		U						
CADMIUM				.003 MG/L		U	.003 MG/L		U						
CALCIUM				196 MG/L		-	129 MG/L		-						
CHROMIUM				.0319 MG/L		-	.004 MG/L		U						
COBALT				.0166 MG/L		-	.006 MG/L		U						
COPPER				.0375 MG/L		-	.004 MG/L		U						
CYANIDE				.01 MG/L		U	.01 MG/L		U						
IRON				40.2 MG/L		-	.0243 MG/L		U						
LEAD				.242 MG/L		J	.001 MG/L		U						
MAGNESIUM				65.4 MG/L		-	42 MG/L		-						
MANGANESE				1.24 MG/L		-	.001 MG/L		U						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.0469 MG/L		-	.019 MG/L		U						
POTASSIUM				4.87 MG/L		-	.843 MG/L		-						

SAMPLE NUMBER:	118374			118375			118376			118377			118378		
LAB:	FERMCO			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.002 MG/L		UJ	.002 MG/L		U						
SILVER				.003 MG/L		UJ	.003 MG/L		UJ						
SODIUM				86.1 MG/L		-	87.5 MG/L		-						
THALLIUM				.001 MG/L		U	.001 MG/L		UJ						
VANADIUM				.0384 MG/L		-	.004 MG/L		U						
ZINC				.0989 MG/L		-	.006 MG/L		U						
RADIONUCLIDES															
URANIUM-238										97.2 PCI/L	10.4	J	101 PCI/L	22.9	J
URANIUM, TOTAL	280 UG/L		NV							289 UG/L	20.2	-	273 UG/L	19.1	-
URANIUM-234										91 PCI/L	9.8	J	88.3 PCI/L	20.4	J
THORIUM-230										1.5 PCI/L	.5	J	.2 PCI/L	.2	UJ
RADIUM-226										2.4 PCI/L	.7	-	1.2 PCI/L	.4	-
URANIUM-235/236										4.2 PCI/L	1.4	J	3.1 PCI/L	2.1	J
THORIUM-232										.4 PCI/L	.3	J	.3 PCI/L	.2	U
THORIUM, TOTAL										3.6481598 PCI/L	.3	NV			
RADIUM-228										3.5 PCI/L	1.5	-	3 PCI/L	.8	U
THORIUM-228										.7 PCI/L	.4	J	.2 PCI/L	2.6	U
TECHNETIUM-99										280 PCI/L	19.8	J	339 PCI/L	23.8	-
GROSS ALPHA										179 PCI/L	16.9	NV	147 PCI/L	12.4	NV
GROSS BETA										328 PCI/L	14.1	NV	276 PCI/L	9.7	NV
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				2 UG/L		J									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		UJ									

SAMPLE NUMBER:	118374			118375			118376			118377			118378		
LAB:	FERMCO			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118742	118742F	118745	118745F	118746
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	TCT	TCT	FERMCO	FERMCO	CORE
WELL OR BORING NUMBER:	1448	1448	1448	1448	1448
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-JUL-93	08-JUL-93	08-JUL-93	08-JUL-93	08-JUL-93
NORTH COORDINATE:	479986.38	479986.38	479986.38	479986.38	479986.38
EAST COORDINATE:	1383111.86	1383111.86	1383111.86	1383111.86	1383111.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	502 MG/L		-												
AMMONIA	.0481 MG/L		-												
CHLORIDE	26.2 MG/L		-												
FLUORIDE	.31 MG/L		-												
NITRATE	.02 MG/L		U												
PHENOLS	.005 MG/L		U												
PHOSPHATE	.212 MG/L		R												
SULFATE	114 MG/L		-												
SULFIDE	1 MG/L		U												
TOTAL KJELDAHL NITROGEN	.1 MG/L		U												
TOTAL ORGANIC CARBON	2 MG/L		UJ												
TOTAL ORGANIC HALIDES	.0257 MG/L		J												
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
INORGANICS															
ALUMINUM	3.25 MG/L		-	.116 MG/L		U									
ANTIMONY	.014 MG/L		U	.014 MG/L		U									
ARSENIC	.0056 MG/L		-	.002 MG/L		U									
BARIUM	.107 MG/L		-	.049 MG/L		-									
BERYLLIUM	.0055 MG/L		R	.005 MG/L		UR									
CADMIUM	.005 MG/L		U	.005 MG/L		U									
CALCIUM	266 MG/L		-	111 MG/L		-									
CHROMIUM	.006 MG/L		UJ	.006 MG/L		UJ									
COBALT	.017 MG/L		U	.017 MG/L		U									
COPPER	.0093 MG/L		U	.009 MG/L		U									
CYANIDE	.005 MG/L		U	.005 MG/L		U									
IRON	7.53 MG/L		-	.022 MG/L		U									
LEAD	.0097 MG/L		-	.001 MG/L		U									
MAGNESIUM	88 MG/L		-	47.7 MG/L		-									
MANGANESE	.815 MG/L		-	.185 MG/L		-									
MERCURY	.0001 MG/L		U	.0001 MG/L		U									

SAMPLE NUMBER:	118742			118742F			118745			118745F			118746		
LAB:	TCT			TCT			FERMCO			FERMCO			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.017 MG/L		UJ	.017 MG/L		UJ									
NICKEL	.018 MG/L		UJ	.018 MG/L		UJ									
POTASSIUM	3.46 MG/L		-	2.33 MG/L		-									
SELENIUM	.005 MG/L		UJ	.005 MG/L		UJ									
SILICON	12.1 MG/L		-	7.11 MG/L		-									
SILVER	.002 MG/L		U	.002 MG/L		U									
SODIUM	12 MG/L		-	12.9 MG/L		-									
THALLIUM	.001 MG/L		UJ	.001 MG/L		UJ									
VANADIUM	.0338 MG/L		-	.024 MG/L		-									
ZINC	.022 MG/L		J	.03 MG/L		J									
RADIONUCLIDES															
URANIUM-238													2 PCI/L	.8	J
URANIUM, TOTAL							5 UG/L		NV	4.2 UG/L		NV	5.6 UG/L	.4	-
URANIUM-234													3 PCI/L	.6	J
THORIUM-230													1.2 PCI/L	.3	J
RADIUM-226													2.1 PCI/L	.6	J
URANIUM-235/236													.2 PCI/L	.1	UJ
THORIUM-232													.9 PCI/L	.3	J
THORIUM, TOTAL													8.20815712 PCI/L	.3	NV
RADIUM-228													3 PCI/L	1.3	U
THORIUM-228													.8 PCI/L	.3	J
TECHNETIUM-99													15 PCI/L	7.8	U
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	3 UG/L		J												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		UJ												
2-HEXANONE	10 UG/L		UJ												
4-METHYL-2-PENTANONE	10 UG/L		UJ												
ACETONE	10 UG/L		UJ												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		UJ												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												

SAMPLE NUMBER:	118742			118742F			118745			118745F			118746		
LAB:	TCT			TCT			FERMCO			FERMCO			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		UJ												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		UJ												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118746F	046773	046774	046771	046772
TASK:	50.03.23	3.7	3.7	3.7	3.7
LAB:	CORE	IT	IT	IT	IT
WELL OR BORING NUMBER:	1448	1448	1448	1448	1448
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-JUL-93	17-JUL-90	17-JUL-90	18-MAY-90	21-MAY-90
NORTH COORDINATE:	479986.38	479986.38	479986.38	479986.38	479986.38
EAST COORDINATE:	1383111.86	1383111.86	1383111.86	1383111.86	1383111.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE							.1 MG/L		UJ	.1 MG/L		UR			
INORGANICS															
ALUMINUM													.0658 MG/L		-
ANTIMONY													.03 MG/L		U
ARSENIC													.002 MG/L		U
BARIUM													.064 MG/L		-
BERYLLIUM													.002 MG/L		U
CADMIUM													.0078 MG/L		-
CALCIUM													100 MG/L		J
CHROMIUM													.0346 MG/L		-
COBALT													.01 MG/L		U
COPPER													.01 MG/L		U
IRON													.0209 MG/L		U
LEAD													.0028 MG/L		-
MAGNESIUM													49.6 MG/L		J
MANGANESE													.118 MG/L		J
MOLYBDENUM													.0168 MG/L		-
NICKEL													.0294 MG/L		-
POTASSIUM													2.19 MG/L		-
SELENIUM													.002 MG/L		UJ
SILVER													.0184 MG/L		-
SODIUM													27.3 MG/L		J
THALLIUM													.002 MG/L		U
VANADIUM													.0155 MG/L		-
ZINC													.0212 MG/L		U
RADIONUCLIDES															
URANIUM-238	1.6 PCI/L	1.1	R												
URANIUM, TOTAL	3.9 UG/L	.3	-	12.8 UG/L	2	-									

SAMPLE NUMBER:	118746F			046773			046774			046771			046772		
LAB:	CORE			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-234	1.7 PCI/L	.4	R												
THORIUM-230	.2 PCI/L	.2	UJ												
RADIUM-226	1.2 PCI/L	.5	U												
URANIUM-235/236	.1 PCI/L	.1	R												
THORIUM-232	.2 PCI/L	.5	UJ												
RADIUM-228	3 PCI/L	1	U												
THORIUM-228	.2 PCI/L	.5	UJ												
TECHNETIUM-99	15.4 PCI/L	9.2	U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046772	046863	046864	046865	046865
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1448	1508	1508	1508	1508
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-MAY-90	02-MAY-90	02-MAY-90	02-MAY-90	02-MAY-90
NORTH COORDINATE:	479986.38	482565.57	482565.57	482565.57	482565.57
EAST COORDINATE:	1383111.86	1380840.06	1380840.06	1380840.06	1380840.06
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE							.1 MG/L		U						
INORGANICS															
ALUMINUM										.0917 MG/L		-			
ANTIMONY										.03 MG/L		U			
ARSENIC										.0022 MG/L		-			
BARIUM										.0771 MG/L		-			
BERYLLIUM										.002 MG/L		U			
CADMIUM										.0033 MG/L		-			
CALCIUM										105 MG/L		-			
CHROMIUM										.0252 MG/L		-			
COBALT										.01 MG/L		U			
COPPER										.01 MG/L		U			
CYANIDE	.002 MG/L		U										.01 MG/L		U
IRON										.0592 MG/L		-			
LEAD										.0053 MG/L		J			
MAGNESIUM										30.5 MG/L		-			
MANGANESE										1.47 MG/L		-			
MERCURY	.00023 MG/L		-							.0002 MG/L		UJ			
MOLYBDENUM										.01 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										1.03 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILVER										.0179 MG/L		-			
SODIUM										19.5 MG/L		-			
THALLIUM										.002 MG/L		UR			
VANADIUM										.0143 MG/L		-			
ZINC										.0179 MG/L		U			
ORGANOPHOSPHORUS PESTICIDES															

0001131

6417

AZINPHOSMETHYL	1 UG/L	U										2.5 UG/L		U
10/02/94														

SAMPLE NUMBER:	046772			046863			046864			046865			046865		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
ORGANOPHOSPHORUS PESTICIDES															
DEMETON	2 UG/L		U										2 UG/L		U
DIAZINON	1 UG/L		UJ										1 UG/L		U
DISULFOTON	.5 UG/L		U										1 UG/L		U
ETHION	.5 UG/L		U										1 UG/L		U
MALATHION	1 UG/L		U										1 UG/L		U
METHYL PARATHION	1 UG/L		U										1 UG/L		U
PARATHION	1 UG/L		U										1 UG/L		U
PESTICIDES															
4,4'-DDD	.1 UG/L		U										.2 UG/L		U
4,4'-DDE	.1 UG/L		U										.2 UG/L		U
4,4'-DDT	.1 UG/L		U										.2 UG/L		U
ALDRIN	.05 UG/L		U										.1 UG/L		U
ALPHA-BHC	.05 UG/L		U										.1 UG/L		U
ALPHA-CHLORDANE	.5 UG/L		U										1 UG/L		U
AROCLOR-1016	.5 UG/L		U										1 UG/L		U
AROCLOR-1221	.5 UG/L		U										1 UG/L		U
AROCLOR-1232	.5 UG/L		U										1 UG/L		U
AROCLOR-1242	.5 UG/L		U										1 UG/L		U
AROCLOR-1248	.5 UG/L		U										1 UG/L		U
AROCLOR-1254	1 UG/L		U										2 UG/L		U
AROCLOR-1260	1 UG/L		U										2 UG/L		U
BETA-BHC	.05 UG/L		U										.1 UG/L		U
DELTA-BHC	.05 UG/L		U										.1 UG/L		U
DIELDRIN	.1 UG/L		U										.2 UG/L		U
ENDOSULFAN II	.1 UG/L		U										.2 UG/L		U
ENDOSULFAN SULFATE	.1 UG/L		U										.2 UG/L		U
ENDOSULFAN-I	.05 UG/L		U										.1 UG/L		U
ENDRIN	.1 UG/L		U										.2 UG/L		U
ENDRIN KETONE	.1 UG/L		U										.2 UG/L		U
GAMMA-BHC (LINDANE)	.05 UG/L		U										.1 UG/L		U
GAMMA-CHLORDANE	.5 UG/L		U										1 UG/L		U
HEPTACHLOR	.05 UG/L		U										.1 UG/L		U
HEPTACHLOR EPOXIDE	.05 UG/L		U										.1 UG/L		U
METHOXYCHLOR	.5 UG/L		U										1 UG/L		U
TOXAPHENE	1 UG/L		U										2 UG/L		U
RADIONUCLIDES															
URANIUM-238				15.2 PCI/L	2.2	-									
URANIUM, TOTAL				53.9 UG/L	8.4	J									
URANIUM-234				15.7 PCI/L	2.2	-									
THORIUM-230				3.44 PCI/L	.96	-									
RADIUM-226				3.37 PCI/L	.57	NV									
URANIUM-235/236				1.2 PCI/L	.39	-									

SAMPLE NUMBER:	046772			046863			046864			046865			046865		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-232				2.84 PCI/L	.85	-									
THORIUM, TOTAL				25.6 UG/L	7.7	-									
RADIUM-228				3 PCI/L		UJ									
THORIUM-228				3.4 PCI/L	.95	-									
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		UJ									
PLUTONIUM-238				1 PCI/L		UJ									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		UJ									
CESIUM-137				20 PCI/L		UJ									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,3-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,4-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
2,4,5-TRICHLOROPHENOL	50 UG/L		U										50 UG/L		U
2,4,6-TRICHLOROPHENOL	10 UG/L		U										10 UG/L		U
2,4-DICHLOROPHENOL	10 UG/L		U										10 UG/L		U
2,4-DIMETHYLPHENOL	10 UG/L		U										10 UG/L		U
2,4-DINITROPHENOL	50 UG/L		U										50 UG/L		UJ
2,4-DINITROTOLUENE	10 UG/L		U										10 UG/L		U
2,6-DINITROTOLUENE	10 UG/L		U										10 UG/L		U
2-CHLORONAPHTHALENE	10 UG/L		U										10 UG/L		U
2-CHLOROPHENOL	10 UG/L		U										10 UG/L		U
2-METHYLNAPHTHALENE	10 UG/L		U										10 UG/L		U
2-METHYLPHENOL	10 UG/L		U										10 UG/L		U
2-NITROANILINE	50 UG/L		U										50 UG/L		U
2-NITROPHENOL	10 UG/L		U										10 UG/L		U
3,3'-DICHLOROBENZIDINE	20 UG/L		UJ										20 UG/L		UJ
3-NITROANILINE	50 UG/L		UJ										50 UG/L		U
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		U										50 UG/L		U
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U										10 UG/L		U
4-CHLORO-3-METHYLPHENOL	10 UG/L		U										10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U										10 UG/L		U
4-METHYLPHENOL	10 UG/L		U										10 UG/L		U
4-NITROANILINE	50 UG/L		U										50 UG/L		U
4-NITROPHENOL	50 UG/L		U										50 UG/L		U
ACENAPHTHENE	10 UG/L		U										10 UG/L		U
ACENAPHTHYLENE	10 UG/L		U										10 UG/L		U
ANTHRACENE	10 UG/L		U										10 UG/L		U
BENZO(A)ANTHRACENE	10 UG/L		U										10 UG/L		U
BENZO(A)PYRENE	10 UG/L		U										10 UG/L		U
BENZO(B)FLUORANTHENE	10 UG/L		U										10 UG/L		UJ
BENZO(G,H,I)PERYLENE	10 UG/L		U										10 UG/L		UJ

SAMPLE NUMBER:	046772			046863			046864			046865			046865		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(K)FLUORANTHENE	10 UG/L		U										10 UG/L		U
BENZOIC ACID	50 UG/L		U										50 UG/L		UJ
BENZYL ALCOHOL	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U										10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U										10 UG/L		U
BUTYL BENZYL PHTHALATE	10 UG/L		U										10 UG/L		U
CHRYSENE	10 UG/L		U										10 UG/L		U
DI-N-BUTYL PHTHALATE	10 UG/L		U										10 UG/L		U
DI-N-OCTYL PHTHALATE	10 UG/L		U										10 UG/L		UJ
DIBENZO(A,H)ANTHRACENE	10 UG/L		U										10 UG/L		UJ
DIBENZOFURAN	10 UG/L		U										10 UG/L		U
DIETHYL PHTHALATE	10 UG/L		U										10 UG/L		U
DIMETHYL PHTHALATE	10 UG/L		U										10 UG/L		U
FLUORANTHENE	10 UG/L		U										10 UG/L		U
FLUORENE	10 UG/L		U										10 UG/L		U
HEXACHLOROBENZENE	10 UG/L		U										10 UG/L		U
HEXACHLOROBUTADIENE	10 UG/L		U										10 UG/L		U
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U										10 UG/L		UJ
HEXACHLOROETHANE	10 UG/L		U										10 UG/L		U
INDENO(1,2,3-CD)PYRENE	10 UG/L		U										10 UG/L		UJ
ISOPHORONE	10 UG/L		U										10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U										10 UG/L		U
N-NITROSODIPHENYLAMINE	10 UG/L		U										10 UG/L		U
NAPHTHALENE	10 UG/L		U										10 UG/L		U
NITROBENZENE	10 UG/L		U										10 UG/L		U
P-CHLOROANILINE	10 UG/L		UJ										10 UG/L		U
PENTACHLOROPHENOL	50 UG/L		U										50 UG/L		U
PHENANTHRENE	10 UG/L		U										10 UG/L		U
PHENOL	10 UG/L		U										10 UG/L		U
PYRENE	10 UG/L		U										10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U										5 UG/L		U
1,1,2,2-TETRACHLOROETHANE	5 UG/L		UJ										5 UG/L		U
1,1,2-TRICHLOROETHANE	5 UG/L		U										5 UG/L		U
1,1-DICHLOROETHANE	5 UG/L		UJ										3 UG/L		J
1,1-DICHLOROETHENE	5 UG/L		U										5 UG/L		U
1,2-DICHLOROETHANE	5 UG/L		U										5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U										5 UG/L		U
1,2-DICHLOROPROPANE	5 UG/L		U										5 UG/L		U
2-BUTANONE	17 UG/L		J										10 UG/L		UR
2-HEXANONE	10 UG/L		UJ										10 UG/L		U
4-METHYL-2-PENTANONE	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	046772			046863			046864			046865			046865		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ACETONE	20 UG/L		UJ										10 UG/L		UJ
BENZENE	5 UG/L		UJ										5 UG/L		U
BROMODICHLOROMETHANE	5 UG/L		U										5 UG/L		U
BROMOFORM	5 UG/L		U										5 UG/L		U
BROMOMETHANE	10 UG/L		U										10 UG/L		U
CARBON DISULFIDE	2 UG/L		J										5 UG/L		U
CARBON TETRACHLORIDE	5 UG/L		U										5 UG/L		U
CHLOROBENZENE	5 UG/L		UJ										5 UG/L		U
CHLOROETHANE	10 UG/L		U										10 UG/L		U
CHLOROFORM	5 UG/L		U										5 UG/L		U
CHLOROMETHANE	10 UG/L		U										10 UG/L		U
CIS-1,3-DICHLOROPROPENE	5 UG/L		U										5 UG/L		U
DIBROMOCHLOROMETHANE	5 UG/L		U										5 UG/L		U
ETHYLBENZENE	5 UG/L		UJ										5 UG/L		U
METHYLENE CHLORIDE	5 UG/L		U										5 UG/L		U
STYRENE	5 UG/L		UJ										5 UG/L		U
TETRACHLOROETHENE	5 UG/L		U										5 UG/L		U
TOLUENE	5 UG/L		UJ										5 UG/L		U
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U										5 UG/L		U
TRICHLOROETHENE	5 UG/L		U										5 UG/L		U
VINYL ACETATE	10 UG/L		UJ										10 UG/L		U
VINYL CHLORIDE	10 UG/L		U										10 UG/L		U
XYLENES, TOTAL	5 UG/L		UJ										5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046866	046867	046874	046875	046875
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT-KNOX	IT-SAN JOSE
WELL OR BORING NUMBER:	1508	1508	1510	1510	1510
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-JUN-90	04-JUN-90	03-MAY-90	03-MAY-90	03-MAY-90
NORTH COORDINATE:	482565.57	482565.57	482519.62	482519.62	482519.62
EAST COORDINATE:	1380840.06	1380840.06	1380877.9	1380877.9	1380877.9
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE	.1 MG/L		UR				.1 MG/L		U						
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL													2.5 UG/L		U
DEMETON													2 UG/L		U
DIAZINON													1 UG/L		U
DISULFOTON													1 UG/L		U
ETHION													1 UG/L		U
MALATHION													1 UG/L		U
METHYL PARATHION													1 UG/L		U
PARATHION													1 UG/L		U
RADIONUCLIDES															
URANIUM, TOTAL				48.7 UG/L	6.8	-									
VOLATILES															
1,1,1-TRICHLOROETHANE										5 UG/L		UJ			
1,1,2,2-TETRACHLOROETHANE										5 UG/L		U			
1,1,2-TRICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHENE										5 UG/L		U			
1,2-DICHLOROETHANE										5 UG/L		UJ			
1,2-DICHLOROETHENE (TOTAL)										5 UG/L		U			
1,2-DICHLOROPROPANE										5 UG/L		U			
2-BUTANONE										10 UG/L		UR			
2-HEXANONE										10 UG/L		UJ			
4-METHYL-2-PENTANONE										10 UG/L		UJ			
ACETONE										10 UG/L		U			
BENZENE										5 UG/L		U			

SAMPLE NUMBER:	046866			046867			046874			046875			046875		
LAB:	IT			IT			IT			IT-KNOX			IT-SAN JOSE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE										5 UG/L		U			
BROMOFORM										5 UG/L		UJ			
BROMOMETHANE										10 UG/L		UJ			
CARBON DISULFIDE										5 UG/L		U			
CARBON TETRACHLORIDE										5 UG/L		UJ			
CHLOROBENZENE										5 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										5 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										5 UG/L		U			
DIBROMOCHLOROMETHANE										5 UG/L		U			
ETHYLBENZENE										5 UG/L		U			
METHYLENE CHLORIDE										5 UG/L		U			
STYRENE										5 UG/L		U			
TETRACHLOROETHENE										5 UG/L		U			
TOLUENE										5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		U			
TRICHLOROETHENE										5 UG/L		U			
VINYL ACETATE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046875	046875	046876	046877	118541
TASK:	3.7	3.7	3.7	3.7	50.03.23
LAB:	IT	IT/MWL	IT	IT	FERMCO
WELL OR BORING NUMBER:	1510	1510	1510	1510	1511
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-MAY-90	03-MAY-90	04-JUN-90	04-JUN-90	02-JUN-93
NORTH COORDINATE:	482519.62	482519.62	482519.62	482519.62	482563.57
EAST COORDINATE:	1380877.9	1380877.9	1380877.9	1380877.9	1380881.74
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE							.13 MG/L		J						
INORGANICS															
ALUMINUM	.093 MG/L		-												
ANTIMONY	.03 MG/L		U												
ARSENIC	.002 MG/L		U												
BARIUM	.0649 MG/L		-												
BERYLLIUM	.002 MG/L		U												
CADMIUM	.0054 MG/L		-												
CALCIUM	126 MG/L		-												
CHROMIUM	.0322 MG/L		-												
COBALT	.01 MG/L		U												
COPPER	.0121 MG/L		-												
CYANIDE	.01 MG/L		U												
IRON	.0385 MG/L		-												
LEAD	.002 MG/L		UR												
MAGNESIUM	30.7 MG/L		-												
MANGANESE	.344 MG/L		-												
MERCURY	.0002 MG/L		UJ												
MOLYBDENUM	.01 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	1.06 MG/L		-												
SELENIUM	.002 MG/L		UJ												
SILVER	.0216 MG/L		-												
SODIUM	18.5 MG/L		-												
THALLIUM	.002 MG/L		UR												
VANADIUM	.0161 MG/L		-												
ZINC	.0103 MG/L		U												
PESTICIDES															

4,4'-DDD				.1 UG/L		U									
SAMPLE NUMBER:	046875			046875			046876			046877			118541		
LAB:	IT			IT/MWL			IT			IT			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.5 UG/L		U									
AROCLOR-1016				.5 UG/L		U									
AROCLOR-1221				.5 UG/L		U									
AROCLOR-1232				.5 UG/L		U									
AROCLOR-1242				.5 UG/L		U									
AROCLOR-1248				.5 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.5 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				1 UG/L		U									
RADIONUCLIDES															
URANIUM, TOTAL										138 UG/L	18	-	120 UG/L		NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				50 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		U									
2,4-DINITROPHENOL				50 UG/L		UJ									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									

SAMPLE NUMBER:	046875			046875			046876			046877			118541		
LAB:	IT			IT/MWL			IT			IT			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				50 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				20 UG/L		UJ									
3-NITROANILINE				50 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				50 UG/L		UJ									
4-NITROPHENOL				50 UG/L		U									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		UJ									
BENZO(K)FLUORANTHENE				10 UG/L		UJ									
BENZOIC ACID				50 UG/L		UR									
BENZYL ALCOHOL				10 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		UJ									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		UJ									
DIBENZO(A,H)ANTHRACENE				10 UG/L		UJ									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		U									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		UJ									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		UJ									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									

SAMPLE NUMBER:	046875			046875			046876			046877			118541		
LAB:	IT			IT/MWL			IT			IT			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				50 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		U									
PYRENE				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118542	118543	118544	118546	118547
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	FERMCO	DATACHEM	DATACHEM	CORE	CORE
WELL OR BORING NUMBER:	1511	1511	1511	1511	1511
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-JUN-93	02-JUN-93	02-JUN-93	02-JUN-93	02-JUN-93
NORTH COORDINATE:	482563.57	482563.57	482563.57	482563.57	482563.57
EAST COORDINATE:	1380881.74	1380881.74	1380881.74	1380881.74	1380881.74
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				340 MG/L		-									
AMMONIA				.05 MG/L		U									
CHLORIDE				10 MG/L		-									
FLUORIDE				.3 MG/L		-									
NITRATE/NITRITE				.05 MG/L		U									
PHENOLS				.002 MG/L		UJ									
PHOSPHORUS				1.9 MG/L		-									
SULFATE				18 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL ORGANIC CARBON				30 MG/L		-									
TOTAL ORGANIC HALIDES				.03 MG/L		-									
INORGANICS															
ALUMINUM				17.8 MG/L		-	.06 MG/L		U						
ANTIMONY				.0157 MG/L		U	.0157 MG/L		U						
ARSENIC				.002 MG/L		U	.002 MG/L		UJ						
BARIUM				.19 MG/L		-	.0848 MG/L		-						
BERYLLIUM				.0011 MG/L		-	.0003 MG/L		U						
CADMIUM				.0012 MG/L		U	.0012 MG/L		U						
CALCIUM				227 MG/L		-	116 MG/L		-						
CHROMIUM				.0373 MG/L		-	.0046 MG/L		U						
COBALT				.0186 MG/L		U	.0034 MG/L		U						
COPPER				.0323 MG/L		-	.004 MG/L		U						
CYANIDE				.01 MG/L		UJ	.01 MG/L		UJ						
IRON				35.5 MG/L		-	.0221 MG/L		U						
LEAD				.0107 MG/L		-	.001 MG/L		-						
MAGNESIUM				58.5 MG/L		-	23.4 MG/L		-						
MANGANESE				1.53 MG/L		-	.368 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.0383 MG/L		-	.007 MG/L		U						
POTASSIUM				4.71 MG/L		-	.737 MG/L		-						

SAMPLE NUMBER:	118542			118543			118544			118546			118547		
LAB:	FERMCO			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.0016 MG/L		J	.001 MG/L		UJ						
SILVER				.0029 MG/L		UJ	.0029 MG/L		UJ						
SODIUM				7 MG/L		-	6.67 MG/L		-						
THALLIUM				.001 MG/L		UJ	.001 MG/L		UJ						
VANADIUM				.0327 MG/L		-	.0029 MG/L		U						
ZINC				.092 MG/L		-	.004 MG/L		U						
RADIONUCLIDES															
URANIUM-238										118 PCI/L	45.9	R	46.4 PCI/L	10.3	J
URANIUM, TOTAL	170 UG/L		NV							168 UG/L	11.8	-	138 UG/L	9.7	-
URANIUM-234										61.3 PCI/L	24.8	R	47.8 PCI/L	10.5	J
THORIUM-230										.6 PCI/L	.3	J	.4 PCI/L	.3	R
RADIUM-226										4.3 PCI/L	.7	J	1 PCI/L	.3	U
URANIUM-235/236										19.1 PCI/L	9.1	R	2.6 PCI/L	1.1	J
THORIUM-232										.6 PCI/L	1	R	.7 PCI/L	.4	R
THORIUM, TOTAL										5.47212736 PCI/L	1	NV			
RADIUM-228										3 PCI/L	1.2	UJ	3 PCI/L	1.4	U
THORIUM-228										.8 PCI/L	1.4	-	.3 PCI/L	.4	R
TECHNETIUM-99										60.8 PCI/L	12.2	-	63.1 PCI/L	11.4	J
GROSS ALPHA										486 PCI/L	110	NV	58.3 PCI/L	6.6	NV
GROSS BETA										730 PCI/L	102	NV	51.9 PCI/L	4.3	NV
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		UJ									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		UJ									
1,1,2-TRICHLOROETHANE				10 UG/L		UJ									
1,1-DICHLOROETHANE				3 UG/L		J									
1,1-DICHLOROETHENE				10 UG/L		UJ									
1,2-DICHLOROETHANE				10 UG/L		UJ									
1,2-DICHLOROETHENE (TOTAL)				.6 UG/L		J									
1,2-DICHLOROPROPANE				10 UG/L		UJ									
2-BUTANONE				10 UG/L		UJ									
2-HEXANONE				10 UG/L		UJ									
4-METHYL-2-PENTANONE				10 UG/L		UJ									
ACETONE				10 UG/L		UJ									
BENZENE				10 UG/L		UJ									
BROMODICHLOROMETHANE				10 UG/L		UJ									
BROMOFORM				10 UG/L		UJ									
BROMOMETHANE				10 UG/L		UJ									
CARBON DISULFIDE				10 UG/L		UJ									
CARBON TETRACHLORIDE				10 UG/L		UJ									
CHLOROBENZENE				10 UG/L		UJ									
CHLOROETHANE				10 UG/L		UJ									
CHLOROFORM				10 UG/L		UJ									
CHLOROMETHANE				.6 UG/L		J									

SAMPLE NUMBER:	118542			118543			118544			118546			118547		
LAB:	FERMCO			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CIS-1,3-DICHLOROPROPENE				10 UG/L		UJ									
DIBROMOCHLOROMETHANE				10 UG/L		UJ									
ETHYLBENZENE				10 UG/L		UJ									
METHYLENE CHLORIDE				10 UG/L		UJ									
STYRENE				10 UG/L		UJ									
TETRACHLOROETHENE				10 UG/L		UJ									
TOLUENE				10 UG/L		UJ									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		UJ									
TRICHLOROETHENE				10 UG/L		UJ									
VINYL CHLORIDE				10 UG/L		UJ									
XYLENES, TOTAL				10 UG/L		UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046879	046880	046880	046881	046882
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT-SAN JOSE	IT	IT	IT
WELL OR BORING NUMBER:	1511	1511	1511	1511	1511
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-MAY-90	03-MAY-90	03-MAY-90	04-JUN-90	04-JUN-90
NORTH COORDINATE:	482563.57	482563.57	482563.57	482563.57	482563.57
EAST COORDINATE:	1380881.74	1380881.74	1380881.74	1380881.74	1380881.74
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE	.1 MG/L		U							.1 MG/L		UJ			
INORGANICS															
ALUMINUM							.842 MG/L		-						
ANTIMONY							.03 MG/L		U						
ARSENIC							.002 MG/L		U						
BARIUM							.0784 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.0037 MG/L		-						
CALCIUM							116 MG/L		-						
CHROMIUM							.028 MG/L		-						
COBALT							.01 MG/L		U						
COPPER							.01 MG/L		U						
CYANIDE							.01 MG/L		U						
IRON							.555 MG/L		-						
LEAD							.002 MG/L		UR						
MAGNESIUM							32 MG/L		-						
MANGANESE							1.22 MG/L		-						
MERCURY							.00073 MG/L		J						
MOLYBDENUM							.01 MG/L		U						
NICKEL							.02 MG/L		-						
POTASSIUM							2.38 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILVER							.0193 MG/L		-						
SODIUM							12.2 MG/L		-						
THALLIUM							.002 MG/L		UR						
VANADIUM							.014 MG/L		-						
ZINC							.0092 MG/L		U						
ORGANOPHOSPHORUS PESTICIDES															

000145

6417

AZINPHOSMETHYL 2.5 UG/L U

10/02/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046879			046880			046880			046881			046882		
LAB:	IT			IT-SAN JOSE			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
ORGANOPHOSPHORUS PESTICIDES															
DEMETON				2 UG/L		U									
DIAZINON				1 UG/L		U									
DISULFOTON				1 UG/L		U									
ETHION				1 UG/L		U									
MALATHION				1 UG/L		U									
METHYL PARATHION				1 UG/L		U									
PARATHION				1 UG/L		U									
PESTICIDES															
4,4'-DDD							.1 UG/L		U						
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						
ALDRIN							.05 UG/L		U						
ALPHA-BHC							.05 UG/L		U						
ALPHA-CHLORDANE							.5 UG/L		U						
AROCLOR-1016							.5 UG/L		U						
AROCLOR-1221							.5 UG/L		U						
AROCLOR-1232							.5 UG/L		U						
AROCLOR-1242							.5 UG/L		U						
AROCLOR-1248							.5 UG/L		U						
AROCLOR-1254							1 UG/L		U						
AROCLOR-1260							1 UG/L		U						
BETA-BHC							.05 UG/L		U						
DELTA-BHC							.05 UG/L		U						
DIELDRIN							.1 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.1 UG/L		U						
ENDRIN KETONE							.1 UG/L		U						
GAMMA-BHC (LINDANE)							.05 UG/L		U						
GAMMA-CHLORDANE							.5 UG/L		U						
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							1 UG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL													57.4 UG/L	11.8	-
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U						
1,2-DICHLOROBENZENE							10 UG/L		U						

SAMPLE NUMBER:	046879			046880			046880			046881			046882		
LAB:	IT			IT-SAN JOSE			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							50 UG/L		U						
2,4,6-TRICHLOROPHENOL							10 UG/L		U						
2,4-DICHLOROPHENOL							10 UG/L		U						
2,4-DIMETHYLPHENOL							10 UG/L		U						
2,4-DINITROPHENOL							50 UG/L		UJ						
2,4-DINITROTOLUENE							10 UG/L		U						
2,6-DINITROTOLUENE							10 UG/L		U						
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		U						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		U						
2-NITROANILINE							50 UG/L		U						
2-NITROPHENOL							10 UG/L		U						
3,3'-DICHLOROBENZIDINE							20 UG/L		U						
3-NITROANILINE							50 UG/L		U						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		UJ						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		U						
4-NITROANILINE							50 UG/L		U						
4-NITROPHENOL							50 UG/L		U						
ACENAPHTHENE							10 UG/L		U						
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		U						
BENZO(B)FLUORANTHENE							10 UG/L		UJ						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZOIC ACID							50 UG/L		UJ						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						
DI-N-OCTYL PHTHALATE							10 UG/L		U						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						

SAMPLE NUMBER:	046879			046880			046880			046881			046882		
LAB:	IT			IT-SAN JOSE			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U						
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		U						
NITROBENZENE							10 UG/L		U						
P-CHLOROANILINE							10 UG/L		U						
PENTACHLOROPHENOL							50 UG/L		U						
PHENANTHRENE							10 UG/L		U						
PHENOL							10 UG/L		U						
PYRENE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		UJ						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHENE							5 UG/L		U						
1,2-DICHLOROETHANE							5 UG/L		UJ						
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		U						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							10 UG/L		UR						
2-HEXANONE							10 UG/L		UJ						
4-METHYL-2-PENTANONE							10 UG/L		UJ						
ACETONE							10 UG/L		U						
BENZENE							5 UG/L		U						
BROMODICHLOROMETHANE							5 UG/L		U						
BROMOFORM							5 UG/L		UJ						
BROMOMETHANE							10 UG/L		UJ						
CARBON DISULFIDE							5 UG/L		U						
CARBON TETRACHLORIDE							5 UG/L		UJ						
CHLOROBENZENE							5 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							5 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							5 UG/L		U						
DIBROMOCHLOROMETHANE							5 UG/L		U						
ETHYLBENZENE							5 UG/L		U						
METHYLENE CHLORIDE							5 UG/L		U						
STYRENE							5 UG/L		U						

SAMPLE NUMBER:	046879			046880			046880			046881			046882		
LAB:	IT			IT-SAN JOSE			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U						
TRICHLOROETHENE							5 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046884	046885	046885	046886	046887
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT-SAN JOSE	IT	IT	IT
WELL OR BORING NUMBER:	1512	1512	1512	1512	1512
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-MAY-90	03-MAY-90	03-MAY-90	16-JUN-90	16-JUN-90
NORTH COORDINATE:	482541.56	482541.56	482541.56	482541.56	482541.56
EAST COORDINATE:	1380926.1	1380926.1	1380926.1	1380926.1	1380926.1
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE	.1 MG/L		U										.1 MG/L		U
INORGANICS															
ALUMINUM							.0893 MG/L		-						
ANTIMONY							.03 MG/L		U						
ARSENIC							.002 MG/L		U						
BARIUM							.116 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.0065 MG/L		-						
CALCIUM							136 MG/L		-						
CHROMIUM							.0311 MG/L		-						
COBALT							.01 MG/L		U						
COPPER							.0115 MG/L		-						
CYANIDE							.01 MG/L		U						
IRON							.0417 MG/L		-						
LEAD							.002 MG/L		UR						
MAGNESIUM							52.2 MG/L		-						
MANGANESE							.794 MG/L		-						
MERCURY							.0002 MG/L		UJ						
MOLYBDENUM							.01 MG/L		U						
NICKEL							.0208 MG/L		-						
POTASSIUM							2.33 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILVER							.0215 MG/L		-						
SODIUM							20 MG/L		-						
THALLIUM							.002 MG/L		UR						
VANADIUM							.0161 MG/L		-						
ZINC							.0177 MG/L		U						
ORGANOPHOSPHORUS PESTICIDES															

SAMPLE NUMBER:	046884			046885			046885			046886			046887		
LAB:	IT			IT-SAN JOSE			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
ORGANOPHOSPHORUS PESTICIDES															
DEMETON				2 UG/L		U									
DIAZINON				1 UG/L		U									
DISULFOTON				1 UG/L		U									
ETHION				1 UG/L		U									
MALATHION				1 UG/L		U									
METHYL PARATHION				1 UG/L		U									
PARATHION				1 UG/L		U									
PESTICIDES															
4,4'-DDD							.1 UG/L		U						
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						
ALDRIN							.05 UG/L		U						
ALPHA-BHC							.05 UG/L		U						
ALPHA-CHLORDANE							.5 UG/L		U						
AROCLOR-1016							.5 UG/L		U						
AROCLOR-1221							.5 UG/L		U						
AROCLOR-1232							.5 UG/L		U						
AROCLOR-1242							.5 UG/L		U						
AROCLOR-1248							.5 UG/L		U						
AROCLOR-1254							1 UG/L		U						
AROCLOR-1260							1 UG/L		U						
BETA-BHC							.05 UG/L		U						
DELTA-BHC							.05 UG/L		U						
DIELDRIN							.1 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.1 UG/L		U						
ENDRIN KETONE							.1 UG/L		U						
GAMMA-BHC (LINDANE)							.05 UG/L		U						
GAMMA-CHLORDANE							.5 UG/L		U						
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							1 UG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL										23.4 UG/L	3.6	J			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U						
1,2-DICHLOROBENZENE							10 UG/L		U						

SAMPLE NUMBER:	046884			046885			046885			046886			046887		
LAB:	IT			IT-SAN JOSE			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							50 UG/L		U						
2,4,6-TRICHLOROPHENOL							10 UG/L		U						
2,4-DICHLOROPHENOL							10 UG/L		U						
2,4-DIMETHYLPHENOL							10 UG/L		U						
2,4-DINITROPHENOL							50 UG/L		UJ						
2,4-DINITROTOLUENE							10 UG/L		U						
2,6-DINITROTOLUENE							10 UG/L		U						
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		U						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		U						
2-NITROANILINE							50 UG/L		U						
2-NITROPHENOL							10 UG/L		U						
3,3'-DICHLOROBENZIDINE							20 UG/L		U						
3-NITROANILINE							50 UG/L		U						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		U						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		UJ						
4-METHYLPHENOL							10 UG/L		U						
4-NITROANILINE							50 UG/L		UJ						
4-NITROPHENOL							50 UG/L		U						
ACENAPHTHENE							10 UG/L		U						
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		U						
BENZO(B)FLUORANTHENE							10 UG/L		U						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		UJ						
BENZOIC ACID							50 UG/L		UJ						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						
DI-N-OCTYL PHTHALATE							10 UG/L		U						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		UJ						
DIMETHYL PHTHALATE							10 UG/L		U						

SAMPLE NUMBER:	046884			046885			046885			046886			046887		
LAB:	IT			IT-SAN JOSE			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		UJ						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		UJ						
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		U						
NITROBENZENE							10 UG/L		U						
P-CHLOROANILINE							10 UG/L		UJ						
PENTACHLOROPHENOL							50 UG/L		UR						
PHENANTHRENE							10 UG/L		U						
PHENOL							10 UG/L		U						
PYRENE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		UJ						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHENE							5 UG/L		U						
1,2-DICHLOROETHANE							5 UG/L		UJ						
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		U						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							10 UG/L		UR						
2-HEXANONE							10 UG/L		UJ						
4-METHYL-2-PENTANONE							10 UG/L		UJ						
ACETONE							10 UG/L		U						
BENZENE							5 UG/L		U						
BROMODICHLOROMETHANE							5 UG/L		U						
BROMOFORM							5 UG/L		UJ						
BROMOMETHANE							10 UG/L		UJ						
CARBON DISULFIDE							5 UG/L		U						
CARBON TETRACHLORIDE							5 UG/L		UJ						
CHLOROBENZENE							5 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							5 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							5 UG/L		U						
DIBROMOCHLOROMETHANE							5 UG/L		U						
ETHYLBENZENE							5 UG/L		U						
METHYLENE CHLORIDE							5 UG/L		U						
STYRENE							5 UG/L		U						

000154

SAMPLE NUMBER:	046884			046885			046885			046886			046887		
LAB:	IT			IT-SAN JOSE			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U						
TRICHLOROETHENE							5 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046888	046889	046889	046889	046890
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1513	1513	1513	1513	1513
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-MAY-90	02-MAY-90	02-MAY-90	02-MAY-90	02-MAY-90
NORTH COORDINATE:	482549.47	482549.47	482549.47	482549.47	482549.47
EAST COORDINATE:	1380951.4	1380951.4	1380951.4	1380951.4	1380951.4
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	R-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE													.13 MG/L		U
INORGANICS															
ALUMINUM				.11 MG/L		-									
ANTIMONY				.03 MG/L		U									
ARSENIC				.002 MG/L		U									
BARIUM				.0624 MG/L		-									
BERYLLIUM				.002 MG/L		U									
CADMIUM				.0046 MG/L		-									
CALCIUM				106 MG/L		-									
CHROMIUM				.0268 MG/L		-									
COBALT				.01 MG/L		U									
COPPER				.01 MG/L		U									
CYANIDE							.01 MG/L		U						
IRON				.0622 MG/L		-									
LEAD				.005 MG/L		J									
MAGNESIUM				33.4 MG/L		-									
MANGANESE				.0673 MG/L		-									
MERCURY				.0002 MG/L		UJ									
MOLYBDENUM				.01 MG/L		U									
NICKEL				.0202 MG/L		-									
POTASSIUM				.597 MG/L		-									
SELENIUM				.002 MG/L		UJ									
SILVER				.0185 MG/L		-									
SODIUM				21.3 MG/L		-									
THALLIUM				.002 MG/L		UR									
VANADIUM				.014 MG/L		-									
ZINC				.012 MG/L		U									
ORGANOPHOSPHORUS PESTICIDES															

000155

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046888			046889			046889			046889			046890		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			R-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
ORGANOPHOSPHORUS PESTICIDES															
DEMETON							2 UG/L		U						
DIAZINON							1 UG/L		U						
DISULFOTON							1 UG/L		U						
ETHION							1 UG/L		U						
MALATHION							1 UG/L		U						
METHYL PARATHION							1 UG/L		U						
PARATHION							1 UG/L		U						
PESTICIDES															
4,4'-DDD							.1 UG/L		U						
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						
ALDRIN							.05 UG/L		U						
ALPHA-BHC							.05 UG/L		U						
ALPHA-CHLORDANE							.5 UG/L		U						
AROCLOR-1016							.5 UG/L		U						
AROCLOR-1221							.5 UG/L		U						
AROCLOR-1232							.5 UG/L		U						
AROCLOR-1242							.5 UG/L		U						
AROCLOR-1248							.5 UG/L		U						
AROCLOR-1254							1 UG/L		U						
AROCLOR-1260							1 UG/L		U						
BETA-BHC							.05 UG/L		U						
DELTA-BHC							.05 UG/L		U						
DIELDRIN							.1 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.1 UG/L		U						
ENDRIN KETONE							.1 UG/L		U						
GAMMA-BHC (LINDANE)							.05 UG/L		U						
GAMMA-CHLORDANE							.5 UG/L		U						
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							1 UG/L		U						
RADIONUCLIDES															
URANIUM-238	2.71 PCI/L	.57	-												
URANIUM, TOTAL	11.5 UG/L	1.2	J												
URANIUM-234	2.94 PCI/L	.6	-												
THORIUM-230	1 PCI/L		U												
RADIUM-226	1 PCI/L		UNV												
URANIUM-235/236	1 PCI/L		U												

SAMPLE NUMBER:	046888			046889			046889			046889			046890		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			R-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-232	1 PCI/L		U												
THORIUM, TOTAL	7.78 UG/L	4.19	-												
RADIUM-228	3 PCI/L		UJ												
THORIUM-228	1.29 PCI/L	.55	-												
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		UJ												
PLUTONIUM-238	1 PCI/L		UJ												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U	10 UG/L		UR			
1,2-DICHLOROBENZENE							10 UG/L		U	10 UG/L		UR			
1,3-DICHLOROBENZENE							10 UG/L		U	10 UG/L		UR			
1,4-DICHLOROBENZENE							10 UG/L		U	10 UG/L		UR			
2,4,5-TRICHLOROPHENOL							50 UG/L		UJ	50 UG/L		UR			
2,4,6-TRICHLOROPHENOL							10 UG/L		UJ	10 UG/L		UR			
2,4-DICHLOROPHENOL							10 UG/L		UJ	10 UG/L		UR			
2,4-DIMETHYLPHENOL							10 UG/L		UJ	10 UG/L		UR			
2,4-DINITROPHENOL							50 UG/L		UJ	50 UG/L		UR			
2,4-DINITROTOLUENE							10 UG/L		U	10 UG/L		UR			
2,6-DINITROTOLUENE							10 UG/L		U	10 UG/L		UR			
2-CHLORONAPHTHALENE							10 UG/L		U	10 UG/L		UR			
2-CHLOROPHENOL							10 UG/L		UJ	10 UG/L		UR			
2-METHYLNAPHTHALENE							10 UG/L		U	10 UG/L		UR			
2-METHYLPHENOL							10 UG/L		UJ	10 UG/L		UR			
2-NITROANILINE							50 UG/L		U	50 UG/L		UR			
2-NITROPHENOL							10 UG/L		UJ	10 UG/L		UR			
3,3'-DICHLOROBENZIDINE							20 UG/L		UJ	20 UG/L		UR			
3-NITROANILINE							50 UG/L		U	50 UG/L		UR			
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		UJ	50 UG/L		UR			
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U	10 UG/L		UR			
4-CHLORO-3-METHYLPHENOL							10 UG/L		UJ	10 UG/L		UR			
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U	10 UG/L		UR			
4-METHYLPHENOL							10 UG/L		UJ	10 UG/L		UR			
4-NITROANILINE							50 UG/L		U	50 UG/L		UR			
4-NITROPHENOL							50 UG/L		UJ	50 UG/L		UR			
ACENAPHTHENE							10 UG/L		U	10 UG/L		UR			
ACENAPHTHYLENE							10 UG/L		U	10 UG/L		UR			
ANTHRACENE							10 UG/L		U	10 UG/L		UR			
BENZO(A)ANTHRACENE							10 UG/L		U	10 UG/L		UR			
BENZO(A)PYRENE							10 UG/L		U	10 UG/L		UR			
BENZO(B)FLUORANTHENE							10 UG/L		UJ	10 UG/L		UR			
BENZO(G,H,I)PERYLENE							10 UG/L		UJ	10 UG/L		UR			

SAMPLE NUMBER:	046888			046889			046889			046889			046890		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			R-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(K)FLUORANTHENE							10 UG/L		U	10 UG/L		UR			
BENZOIC ACID							50 UG/L		UJ	50 UG/L		UR			
BENZYL ALCOHOL							10 UG/L		UJ	10 UG/L		UR			
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U	10 UG/L		UR			
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U	10 UG/L		UR			
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U	10 UG/L		UR			
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U	10 UG/L		UR			
BUTYL BENZYL PHTHALATE							10 UG/L		U	10 UG/L		UR			
CHRYSENE							10 UG/L		U	10 UG/L		UR			
DI-N-BUTYL PHTHALATE							10 UG/L		U	10 UG/L		UR			
DI-N-OCTYL PHTHALATE							10 UG/L		U	10 UG/L		UR			
DIBENZO(A,H)ANTHRACENE							10 UG/L		U	10 UG/L		UR			
DIBENZOFURAN							10 UG/L		U	10 UG/L		UR			
DIETHYL PHTHALATE							10 UG/L		U	10 UG/L		UR			
DIMETHYL PHTHALATE							10 UG/L		U	10 UG/L		UR			
FLUORANTHENE							10 UG/L		U	10 UG/L		UR			
FLUORENE							10 UG/L		U	10 UG/L		UR			
HEXACHLOROBENZENE							10 UG/L		U	10 UG/L		UR			
HEXACHLOROBUTADIENE							10 UG/L		U	10 UG/L		UR			
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U	10 UG/L		UR			
HEXACHLOROETHANE							10 UG/L		U	10 UG/L		UR			
INDENO(1,2,3-CD)PYRENE							10 UG/L		U	10 UG/L		UR			
ISOPHORONE							10 UG/L		U	10 UG/L		UR			
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U	10 UG/L		UR			
N-NITROSODIPHENYLAMINE							10 UG/L		U	10 UG/L		UR			
NAPHTHALENE							10 UG/L		U	10 UG/L		UR			
NITROBENZENE							10 UG/L		U	10 UG/L		UR			
P-CHLOROANILINE							10 UG/L		U	10 UG/L		UR			
PENTACHLOROPHENOL							50 UG/L		UJ	50 UG/L		UR			
PHENANTHRENE							10 UG/L		U	10 UG/L		UR			
PHENOL							10 UG/L		UJ	10 UG/L		UR			
PYRENE							10 UG/L		U	10 UG/L		UR			
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		UJ						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHENE							5 UG/L		U						
1,2-DICHLOROETHANE							5 UG/L		UJ						
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		U						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							10 UG/L		UR						
2-HEXANONE							10 UG/L		UJ						
4-METHYL-2-PENTANONE							10 UG/L		UJ						

SAMPLE NUMBER:	046888			046889			046889			046889			046890		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			R-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ACETONE							10 UG/L		U						
BENZENE							5 UG/L		U						
BROMODICHLOROMETHANE							5 UG/L		U						
BROMOFORM							5 UG/L		UJ						
BROMOMETHANE							10 UG/L		UJ						
CARBON DISULFIDE							5 UG/L		U						
CARBON TETRACHLORIDE							5 UG/L		UJ						
CHLOROBENZENE							5 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							5 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							5 UG/L		U						
DIBROMOCHLOROMETHANE							5 UG/L		U						
ETHYLBENZENE							5 UG/L		U						
METHYLENE CHLORIDE							5 UG/L		U						
STYRENE							5 UG/L		U						
TETRACHLOROETHENE							5 UG/L		UJ						
TOLUENE							5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U						
TRICHLOROETHENE							5 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118549	118550	118551	118552	118554
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	FERMCO	FERMCO	DATACHEM	DATACHEM	CORE
WELL OR BORING NUMBER:	1513	1513	1513	1513	1513
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-JUN-93	03-JUN-93	03-JUN-93	03-JUN-93	03-JUN-93
NORTH COORDINATE:	482549.47	482549.47	482549.47	482549.47	482549.47
EAST COORDINATE:	1380951.4	1380951.4	1380951.4	1380951.4	1380951.4
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							360 MG/L		-						
AMMONIA							.05 MG/L		U						
CHLORIDE							3.5 MG/L		-						
FLUORIDE							.4 MG/L		-						
NITRATE/NITRITE							.05 MG/L		U						
PHENOLS							.002 MG/L		UJ						
PHOSPHORUS							.65 MG/L		-						
SULFATE							77 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL ORGANIC CARBON							5 MG/L		-						
TOTAL ORGANIC HALIDES							.03 MG/L		-						
INORGANICS															
ALUMINUM							9.79 MG/L		-	.06 MG/L		U			
ANTIMONY							.0157 MG/L		U	.0157 MG/L		U			
ARSENIC							.002 MG/L		U	.002 MG/L		U			
BARIUM							.155 MG/L		-	.0821 MG/L		-			
BERYLLIUM							.00064 MG/L		U	.00031 MG/L		U			
CADMIUM							.0012 MG/L		U	.0012 MG/L		U			
CALCIUM							167 MG/L		-	103 MG/L		-			
CHROMIUM							.0173 MG/L		-	.0031 MG/L		U			
COBALT							.0065 MG/L		U	.0034 MG/L		U			
COPPER							.0191 MG/L		-	.0024 MG/L		U			
CYANIDE							.01 MG/L		UJ	.01 MG/L		UJ			
IRON							18.4 MG/L		-	.0307 MG/L		U			
LEAD							.0058 MG/L		J	.001 MG/L		U			
MAGNESIUM							57.2 MG/L		-	35.5 MG/L		-			
MANGANESE							.545 MG/L		-	.0044 MG/L		U			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.0245 MG/L		-	.007 MG/L		U			
POTASSIUM							4.43 MG/L		-	.99 MG/L		-			

SAMPLE NUMBER:	118549			118550			118551			118552			118554		
LAB:	FERMCO			FERMCO			DATACHEM			DATACHEM			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM							.001 MG/L		UJ	.001 MG/L		UJ			
SILVER							.0029 MG/L		UJ	.0029 MG/L		UJ			
SODIUM							17 MG/L		-	16.6 MG/L		-			
THALLIUM							.001 MG/L		UJ	.001 MG/L		UJ			
VANADIUM							.0179 MG/L		-	.0029 MG/L		U			
ZINC							.0505 MG/L		-	.006 MG/L		-			
RADIONUCLIDES															
URANIUM-238													13.3 PCI/L	2.8	R
URANIUM, TOTAL	4.4 UG/L		NV	4.2 UG/L		NV							7.7 UG/L	.5	-
URANIUM-234													9.8 PCI/L	2.2	R
THORIUM-230													.8 PCI/L	.4	R
RADIUM-226													4.5 PCI/L	.7	J
URANIUM-235/236													4 PCI/L	1.2	R
THORIUM-232													.2 PCI/L	1	R
RADIUM-228													5.1 PCI/L	1.4	-
THORIUM-228													.2 PCI/L	1.4	R
TECHNETIUM-99													15 PCI/L	7.8	U
GROSS ALPHA													84 PCI/L	27.3	NV
GROSS BETA													139 PCI/L	26.2	NV
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		UJ						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		UJ						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		UJ						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		UJ						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		UJ						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						

151001

SAMPLE NUMBER:	118549			118550			118551			118552			118554		
LAB:	FERMCO			FERMCO			DATACHEM			DATACHEM			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118555	046891	046892	046898	046899
TASK:	50.03.23	3.7	3.7	3.7	3.7
LAB:	CORE	IT	IT	IT	IT
WELL OR BORING NUMBER:	1513	1513	1513	1515	1515
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-JUN-93	16-JUN-90	16-JUN-90	02-MAY-90	02-MAY-90
NORTH COORDINATE:	482549.47	482549.47	482549.47	482532.1	482532.1
EAST COORDINATE:	1380951.4	1380951.4	1380951.4	1380949.31	1380949.31
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE							.1 MG/L		U						
INORGANICS															
ALUMINUM													.162 MG/L		-
ANTIMONY													.03 MG/L		U
ARSENIC													.002 MG/L		U
BARIUM													.115 MG/L		-
BERYLLIUM													.002 MG/L		U
CADMIUM													.0055 MG/L		-
CALCIUM													111 MG/L		-
CHROMIUM													.0296 MG/L		-
COBALT													.01 MG/L		U
COPPER													.01 MG/L		U
CYANIDE													.01 MG/L		U
IRON													.152 MG/L		-
LEAD													.0035 MG/L		J
MAGNESIUM													41.8 MG/L		-
MANGANESE													.206 MG/L		-
MERCURY													.0002 MG/L		UJ
MOLYBDENUM													.01 MG/L		U
NICKEL													.0216 MG/L		-
POTASSIUM													.514 MG/L		-
SELENIUM													.002 MG/L		UJ
SILVER													.019 MG/L		-
SODIUM													26 MG/L		-
THALLIUM													.002 MG/L		UR
VANADIUM													.0144 MG/L		-
ZINC													.0295 MG/L		-
RADIONUCLIDES															

00163

6417

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

URANIUM-238	1.1 PCI/L	1.4	J							4.2 PCI/L	.72	-			
SAMPLE NUMBER:	118555			046891			046892			046898			046899		
LAB:	CORE			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	4.1 UG/L	.3	-	103 UG/L	14	-				11 UG/L	1.9	J			
URANIUM-234	1.6 PCI/L	.6	J							4.79 PCI/L	.8	-			
THORIUM-230	.3 PCI/L	.2	UJ							1 PCI/L		U			
RADIUM-226	1 PCI/L	.2	U							1 PCI/L		UNV			
URANIUM-235/236	.2 PCI/L	.3	UJ							1 PCI/L		U			
THORIUM-232	.2 PCI/L	.3	UJ							1 PCI/L		U			
THORIUM, TOTAL										2.75 UG/L	2.49	-			
RADIUM-228	4.7 PCI/L	1.5	-							3 PCI/L		UJ			
THORIUM-228	.2 PCI/L	.4	UJ							1 PCI/L		U			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		UJ			
PLUTONIUM-238										1 PCI/L		UJ			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99	15 PCI/L	8	UJ							30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA	4.2 PCI/L	2.5	UNV												
GROSS BETA	5.2 PCI/L	3	UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046899	046900	118557	118558	118559
TASK:	3.7	3.7	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	FERMCO	FERMCO	DATACHEM
WELL OR BORING NUMBER:	1515	1515	1515	1515	1515
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-MAY-90	02-MAY-90	03-JUN-93	03-JUN-93	03-JUN-93
NORTH COORDINATE:	482532.1	482532.1	482532.1	482532.1	482532.1
EAST COORDINATE:	1380949.31	1380949.31	1380949.31	1380949.31	1380949.31
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													410 MG/L		-
AMMONIA													.05 MG/L		U
CHLORIDE													8.9 MG/L		-
FLUORIDE													.4 MG/L		-
NITRATE				.1 MG/L		U							.05 MG/L		U
NITRATE/NITRITE													.05 MG/L		U
PHENOLS													.007 MG/L		J
PHOSPHORUS													.22 MG/L		-
SULFATE													69 MG/L		-
SULFIDE													1 MG/L		U
TOTAL ORGANIC CARBON													19 MG/L		-
TOTAL ORGANIC HALIDES													.03 MG/L		-
INORGANICS															
ALUMINUM													5.85 MG/L		-
ANTIMONY													.0157 MG/L		U
ARSENIC													.002 MG/L		U
BARIUM													.144 MG/L		-
BERYLLIUM													.00036 MG/L		U
CADMIUM													.0012 MG/L		U
CALCIUM													137 MG/L		-
CHROMIUM													.0097 MG/L		U
COBALT													.0078 MG/L		U
COPPER													.0103 MG/L		-
CYANIDE													.01 MG/L		UJ
IRON													9.76 MG/L		-
LEAD													.0036 MG/L		-
MAGNESIUM													45.2 MG/L		-
MANGANESE													.786 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL													.0146 MG/L		-

000165

6417

SAMPLE NUMBER:	046899			046900			118557			118558			118559		
LAB:	IT			IT			FERMCO			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM													2.7 MG/L		-
SELENIUM													.001 MG/L		UJ
SILVER													.0029 MG/L		UJ
SODIUM													31.2 MG/L		-
THALLIUM													.001 MG/L		UJ
VANADIUM													.0086 MG/L		-
ZINC													.023 MG/L		-
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL	2.5 UG/L		U												
DEMETON	2 UG/L		U												
DIAZINON	1 UG/L		U												
DISULFOTON	1 UG/L		U												
ETHION	1 UG/L		U												
MALATHION	1 UG/L		U												
METHYL PARATHION	1 UG/L		U												
PARATHION	1 UG/L		U												
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.5 UG/L		U												
AROCLOR-1016	.5 UG/L		U												
AROCLOR-1221	.5 UG/L		U												
AROCLOR-1232	.5 UG/L		U												
AROCLOR-1242	.5 UG/L		U												
AROCLOR-1248	.5 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.5 UG/L		U												
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												

SAMPLE NUMBER:	046899			046900			118557			118558			118559		
LAB:	IT			IT			FERMCO			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
TOXAPHENE	1 UG/L		U												
RADIONUCLIDES															
URANIUM, TOTAL							16 UG/L		NV	12 UG/L		NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	50 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	50 UG/L		UJ												
2,4-DINITROTOLUENE	10 UG/L		U												
2,6-DINITROTOLUENE	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												
2-NITROANILINE	50 UG/L		U												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	20 UG/L		UJ												
3-NITROANILINE	50 UG/L		UJ												
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		U												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	50 UG/L		U												
4-NITROPHENOL	50 UG/L		U												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		UJ												
BENZO(K)FLUORANTHENE	10 UG/L		UJ												
BENZOIC ACID	50 UG/L		UJ												
BENZYL ALCOHOL	10 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL)	10 UG/L		UJ												

SAMPLE NUMBER:	046899			046900			118557			118558			118559		
LAB:	IT			IT			FERMCO			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		U												
DI-N-OCTYL PHTHALATE	10 UG/L		UJ												
DIBENZO(A,H)ANTHRACENE	10 UG/L		UJ												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		U												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		U												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UJ												
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		UJ												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		U												
PENTACHLOROPHENOL	50 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U										.007 MG/L		J
PYRENE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		UJ										10 UG/L		U
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U										10 UG/L		U
1,1,2-TRICHLOROETHANE	5 UG/L		U										10 UG/L		U
1,1-DICHLOROETHANE	5 UG/L		U										2 UG/L		J
1,1-DICHLOROETHENE	5 UG/L		U										10 UG/L		U
1,2-DICHLOROETHANE	5 UG/L		UJ										10 UG/L		UJ
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U										.8 UG/L		J
1,2-DICHLOROPROPANE	5 UG/L		U										10 UG/L		U
2-BUTANONE	10 UG/L		UR										10 UG/L		UJ
2-HEXANONE	10 UG/L		UJ										10 UG/L		U
4-METHYL-2-PENTANONE	10 UG/L		UJ										10 UG/L		U
ACETONE	10 UG/L		U										10 UG/L		UJ
BENZENE	5 UG/L		U										10 UG/L		U
BROMODICHLOROMETHANE	5 UG/L		U										10 UG/L		U
BROMOFORM	5 UG/L		UJ										10 UG/L		U
BROMOMETHANE	10 UG/L		UJ										10 UG/L		U
CARBON DISULFIDE	5 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	046899			046900			118557			118558			118559		
LAB:	IT			IT			FERMCO			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE	5 UG/L		UJ										10 UG/L		U
CHLOROBENZENE	5 UG/L		U										10 UG/L		U
CHLOROETHANE	10 UG/L		U										10 UG/L		U
CHLOROFORM	5 UG/L		U										10 UG/L		UJ
CHLOROMETHANE	10 UG/L		U										10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE	5 UG/L		U										10 UG/L		U
DIBROMOCHLOROMETHANE	5 UG/L		U										10 UG/L		U
ETHYLBENZENE	5 UG/L		U										10 UG/L		U
METHYLENE CHLORIDE	5 UG/L		U										10 UG/L		U
STYRENE	5 UG/L		U										10 UG/L		U
TETRACHLOROETHENE	5 UG/L		UJ										10 UG/L		U
TOLUENE	5 UG/L		U										10 UG/L		U
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U										10 UG/L		U
TRICHLOROETHENE	5 UG/L		U										10 UG/L		U
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U										10 UG/L		U
XYLENES, TOTAL	5 UG/L		U										10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118560	118562	118563	046901	046902
TASK:	50.03.23	50.03.23	50.03.23	3.7	3.7
LAB:	DATACHEM	CORE	CORE	IT	IT
WELL OR BORING NUMBER:	1515	1515	1515	1515	1515
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-JUN-93	03-JUN-93	03-JUN-93	16-JUN-90	16-JUN-90
NORTH COORDINATE:	482532.1	482532.1	482532.1	482532.1	482532.1
EAST COORDINATE:	1380949.31	1380949.31	1380949.31	1380949.31	1380949.31
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE													.1 MG/L		U
INORGANICS															
ALUMINUM	.06 MG/L		U												
ANTIMONY	.0157 MG/L		U												
ARSENIC	.002 MG/L		UJ												
BARIUM	.122 MG/L		-												
BERYLLIUM	.0003 MG/L		U												
CADMIUM	.0012 MG/L		U												
CALCIUM	112 MG/L		-												
CHROMIUM	.0031 MG/L		U												
COBALT	.0034 MG/L		U												
COPPER	.0024 MG/L		U												
CYANIDE	.01 MG/L		UJ												
IRON	.0474 MG/L		U												
LEAD	.0013 MG/L		-												
MAGNESIUM	40.4 MG/L		-												
MANGANESE	.0758 MG/L		-												
MERCURY	.0002 MG/L		U												
NICKEL	.0093 MG/L		-												
POTASSIUM	1.32 MG/L		-												
SELENIUM	.001 MG/L		UJ												
SILVER	.0029 MG/L		UJ												
SODIUM	29.8 MG/L		-												
THALLIUM	.001 MG/L		UJ												
VANADIUM	.0029 MG/L		U												
ZINC	.01 MG/L		-												
RADIONUCLIDES															
URANIUM-238				4.9 PCI/L	1	-	3.7 PCI/L	.5	J						

SAMPLE NUMBER:	118560			118562			118563			046901			046902		
LAB:	DATACHEM			CORE			CORE			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL				10.8 UG/L	.8	-	11.1 UG/L	.8	-	15.8 UG/L	2.6	-			
URANIUM-234				7.6 PCI/L	1.3	J	4.4 PCI/L	.6	J						
THORIUM-230				.9 PCI/L	.4	J	.3 PCI/L	.2	UJ						
RADIUM-226				2.6 PCI/L	.5	J	1 PCI/L	.3	UJ						
URANIUM-235/236				.8 PCI/L	.5	-	.2 PCI/L	.2	UJ						
THORIUM-232				.6 PCI/L	1	R	.2 PCI/L	.3	UJ						
THORIUM, TOTAL				5.47213004 PCI/L	1	NV	.9120122 PCI/L	.3	NV						
RADIUM-228				3 PCI/L	1.1	U	3 PCI/L	1.1	U						
THORIUM-228				.7 PCI/L	1.4	-	.2 PCI/L	.4	UJ						
TECHNETIUM-99				56.5 PCI/L	11.2	-	27.7 PCI/L	9.7	J						
GROSS ALPHA				44.2 PCI/L	9.4	NV	14.8 PCI/L	3	NV						
GROSS BETA				82.3 PCI/L	9.8	NV	20.8 PCI/L	3.8	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046968			046969			GW930105-8			GW930105-8			GW930105-8		
TASK:	3.7			3.7			RCRA			RCRA			RCRA		
LAB:	IT			IT			CORE			FERMCO Laboratory			NET		
WELL OR BORING NUMBER:	1515			1515			1523			1523			1523		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-JUN-90			16-JUN-90			05-JAN-93			05-JAN-93			05-JAN-93		
NORTH COORDINATE:	482532.1			482532.1			479406.88			479406.88			479406.88		
EAST COORDINATE:	1380949.31			1380949.31			1379945.37			1379945.37			1379945.37		
QA TYPE:	DUPLICATE			DUPLICATE			NORMAL			NORMAL			NORMAL		
QC OF:	046902			046901											
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE	.1 MG/L		U												
TOTAL DISSOLVED SOLIDS													385 MG/L		NV
INORGANICS															
ALUMINUM													.2 MG/L		UNV
ANTIMONY													.02 MG/L		UNV
ARSENIC													.005 MG/L		UNV
BARIUM													.2 MG/L		UNV
BERYLLIUM													.005 MG/L		UNV
CADMIUM													.001 MG/L		UNV
CALCIUM													112 MG/L		NV
CHROMIUM													.002 MG/L		UNV
COBALT													.005 MG/L		UNV
COPPER													.02 MG/L		UNV
IRON													.1 MG/L		UNV
LEAD													.003 MG/L		UNV
MAGNESIUM													33 MG/L		NV
MANGANESE													.108 MG/L		NV
MERCURY													.0002 MG/L		UNV
MOLYBDENUM													.01 MG/L		UNV
NICKEL													.01 MG/L		UNV
SELENIUM													.005 MG/L		UNV
SILVER													.001 MG/L		UNV
THALLIUM													.01 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238				16.1 PCI/L	2.2	-									
URANIUM, TOTAL				29.1 UG/L	5	-	6.6 UG/L		NV	27 UG/L		NV			

SAMPLE NUMBER:	046968			046969			GW930105-8			GW930105-8			GW930105-8		
LAB:	IT			IT			CORE			FERMCO Laboratory			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-234				16.7 PCI/L	2.2	-									
THORIUM-230				1 PCI/L		UJ	.2 PCI/L	.1	UNV						
RADIUM-226				1 PCI/L		U	1 PCI/L	.3	UNV						
URANIUM-235/236				1 PCI/L		U									
THORIUM-232				1 PCI/L		UJ	.2 PCI/L	.1	UNV						
THORIUM, TOTAL				4.9 UG/L		UJ	1.6 UG/L		NV						
RADIUM-228				3 PCI/L		UJ	3 PCI/L	1	UNV						
THORIUM-228				1 PCI/L		UJ	.2 PCI/L	.1	UNV						
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		UJ									
PLUTONIUM-238				1 PCI/L		U									
TECHNETIUM-99				30 PCI/L		R									
RUTHENIUM-106				150 PCI/L		UJ									
CESIUM-137				20 PCI/L		U									
GROSS ALPHA							1.3 PCI/L	4.6	UNV						
GROSS BETA							21.4 PCI/L	5.5	NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				51 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		U									
2,4-DINITROPHENOL				51 UG/L		UJ									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				51 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				20 UG/L		U									
3-NITROANILINE				51 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				51 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				51 UG/L		U									
4-NITROPHENOL				51 UG/L		U									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									

SAMPLE NUMBER:	046968			046969			GW930105-8			GW930105-8			GW930105-8		
LAB:	IT			IT			CORE			FERMCO Laboratory			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		U									
BENZO(K)FLUORANTHENE				10 UG/L		U									
BENZOIC ACID				51 UG/L		U									
BENZYL ALCOHOL				10 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		U									
DIBENZO(A,H)ANTHRACENE				10 UG/L		U									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		U									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		U									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				51 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		U									
PYRENE				10 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,2-TRICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHANE				1 UG/L		J									
1,1-DICHLOROETHENE				5 UG/L		U									
1,2-DICHLOROETHANE				5 UG/L		U									

SAMPLE NUMBER:	046968			046969			GW930105-8			GW930105-8			GW930105-8		
LAB:	IT			IT			CORE			FERMCO Laboratory			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U									
1,2-DICHLOROPROPANE				5 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				5 UG/L		U									
BROMODICHLOROMETHANE				5 UG/L		U									
BROMOFORM				5 UG/L		UJ									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				5 UG/L		U									
CARBON TETRACHLORIDE				5 UG/L		U									
CHLOROBENZENE				5 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				5 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				5 UG/L		U									
DIBROMOCHLOROMETHANE				5 UG/L		U									
ETHYLBENZENE				5 UG/L		U									
METHYLENE CHLORIDE				5 UG/L		U									
STYRENE				5 UG/L		U									
TETRACHLOROETHENE				5 UG/L		U									
TOLUENE				5 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U									
TRICHLOROETHENE				5 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				5 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930105-8	GW930416-9	GW930416-9	GW930416-9	GW930416-9
TASK:	RCRA	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	NET	CORE	CORE	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	1523	1523	1523	1523	1523
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-JAN-93	16-APR-93	16-APR-93	16-APR-93	16-APR-93
NORTH COORDINATE:	479406.88	479406.88	479406.88	479406.88	479406.88
EAST COORDINATE:	1379945.37	1379945.37	1379945.37	1379945.37	1379945.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	323 MG/L		NV										340 MG/L		-
ALLYL CHLORIDE	5 UG/L		UNV												
AMMONIA	.32 MG/L		NV										.05 MG/L		U
BICARBONATE ALKALINITY	329 MG/L		NV										430 MG/L		-
CARBONATE ALKALINITY	3 MG/L		UNV										3 MG/L		U
CHLORIDE	10 MG/L		NV										6.4 MG/L		-
FLUORIDE	.24 MG/L		NV										.2 MG/L		-
NITRATE	.41 MG/L		NV										.72 MG/L		-
NITRATE/NITRITE													.72 MG/L		-
NITRITE, AS NITROGEN	.02 MG/L		UNV												
PH	7.24 SU		NV										7.3 SU		-
PHENOLS	.01 MG/L		UNV										.01 MG/L		U
PHOSPHORUS	.15 MG/L		NV										1.8 MG/L		-
SPECIFIC CONDUCTIVITY	765 UMHOS/CM		NV										720 UMHOS/CM		-
SULFATE	79 MG/L		NV										37 MG/L		-
TOTAL DISSOLVED SOLIDS										420 MG/L		-			
TOTAL KJELDAHL NITROGEN													1.6 MG/L		-
TOTAL ORGANIC CARBON	44 MG/L		NV										4 MG/L		UJ
TOTAL ORGANIC HALIDES	.01 MG/L		UNV										.04 MG/L		J
TOTAL SOLIDS	6590 MG/L		NV										2700 MG/L		-
INORGANICS															
ALUMINUM	11.9 MG/L		NV							.135 MG/L		U	23.7 MG/L		J
ANTIMONY	.02 MG/L		UNV							.045 MG/L		U	.045 MG/L		UJ
ARSENIC	.0105 MG/L		NV							.001 MG/L		U	.0024 MG/L		J
BARIUM	.24 MG/L		NV							.0466 MG/L		-	.168 MG/L		J
BERYLLIUM	.005 MG/L		UNV							.001 MG/L		U	.001 MG/L		UJ
CADMIUM	.001 MG/L		UNV							.003 MG/L		U	.003 MG/L		UJ
CALCIUM	296 MG/L		NV							117 MG/L		-	369 MG/L		J
CHROMIUM	.0231 MG/L		NV							.0084 MG/L		U	.0419 MG/L		UJ
COBALT	.0132 MG/L		NV							.006 MG/L		U	.0133 MG/L		J

SAMPLE NUMBER:	GW930105-8			GW930416-9			GW930416-9			GW930416-9			GW930416-9		
LAB:	NET			CORE			CORE			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER	.028 MG/L		NV							.005 MG/L		-	.0421 MG/L		UJ
CYANIDE	.005 MG/L		UNV							.01 MG/L		U	.01 MG/L		U
IRON	29.8 MG/L		NV							.26 MG/L		U	50.1 MG/L		J
LEAD	.0118 MG/L		NV							.001 MG/L		UJ	.0179 MG/L		UJ
MAGNESIUM	106 MG/L		NV							31.6 MG/L		-	124 MG/L		J
MANGANESE	.786 MG/L		NV							.077 MG/L		-	1.08 MG/L		J
MERCURY	.0002 MG/L		UNV							.0002 MG/L		U	.00047 MG/L		J
MOLYBDENUM	.01 MG/L		UNV												
NICKEL	.038 MG/L		NV							.019 MG/L		U	.053 MG/L		J
POTASSIUM	4 MG/L		NV							.962 MG/L		U	6.33 MG/L		J
SELENIUM	.005 MG/L		UNV							.002 MG/L		UJ	.02 MG/L		UR
SILVER	.001 MG/L		UNV							.003 MG/L		UJ	.0037 MG/L		J
SODIUM	4.4 MG/L		NV							3.7 MG/L		-	4.56 MG/L		J
THALLIUM	.01 MG/L		UNV							.001 MG/L		U	.001 MG/L		UJ
VANADIUM	.05 MG/L		UNV							.0042 MG/L		U	.0413 MG/L		J
ZINC	.101 MG/L		NV							.0065 MG/L		-	.132 MG/L		UJ
No sort code listed.															
1,2,3-TRICHLOROPROPANE	5 UG/L		UNV												
1,2-DIBROMO-3-CHLOROPROPANE	2 UG/L		UNV												
1,2-DIBROMOETHANE	2 UG/L		UNV												
2-CHLORO-1,3-BUTADIENE	5 UG/L		UNV												
ACROLEIN	50 UG/L		UNV												
ACROLEIN	50 UG/L		UNV												
ACRYLONITRILE	50 UG/L		UNV												
DICHLORODIFLUOROMETHANE	10 UG/L		UNV												
ETHYL CYANIDE	20 UG/L		UNV												
ETHYL METHACRYLATE	5 UG/L		UNV												
IODOMETHANE	5 UG/L		UNV												
METHACRYLONITRILE	5 UG/L		UNV												
METHYL METHACRYLATE	5 UG/L		UNV												
PENTACHLOROETHANE	5 UG/L		UNV												
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
TRANS-1,4-DICHLORO-2-BUTENE	20 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				7 PCI/L	1.3	J	1.5 PCI/L	.3	J						
URANIUM, TOTAL				26.8 UG/L	1.9	-	29.9 UG/L	2.1	J						
URANIUM-234				7 PCI/L	1.4	J	1.8 PCI/L	.3	J						
THORIUM-230				.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ						
RADIUM-226				1 PCI/L	.2	UJ	2.2 PCI/L	.5	-						
URANIUM-235/236				.2 PCI/L	.4	UJ	.2 PCI/L	.2	UJ						
THORIUM-232				.2 PCI/L	.1	UJ	.4 PCI/L	.1	UJ						
RADIUM-228				5.5 PCI/L	1.7	-	3 PCI/L	1	U						
THORIUM-228				.2 PCI/L	.1	UJ	.4 PCI/L	.1	UJ						

SAMPLE NUMBER:	GW930105-8			GW930416-9			GW930416-9			GW930416-9			GW930416-9		
LAB:	NET			CORE			CORE			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
TECHNETIUM-99				15 PCI/L	6.9	U	15 PCI/L	6.7	UJ						
GROSS ALPHA				9.9 PCI/L	2.8	NV	57.7 PCI/L	19.2	NV						
GROSS BETA				7.1 PCI/L	2.4	NV	103 PCI/L	16.4	NV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
CUMENE	1 UG/L		UNV												
VOLATILES															
1,1,1,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,1-TRICHLOROETHANE	1 UG/L		UNV										10 UG/L		U
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV										10 UG/L		U
1,1,2-TRICHLOROETHANE	1 UG/L		UNV										10 UG/L		U
1,1-DICHLOROETHANE	1 UG/L		UNV										10 UG/L		U
1,1-DICHLOROETHENE	1 UG/L		UNV										10 UG/L		U
1,2-DICHLOROETHANE	1 UG/L		UNV										10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE	1 UG/L		UNV										10 UG/L		U
2-BUTANONE	10 UG/L		UNV										10 UG/L		U
2-HEXANONE	10 UG/L		UNV										10 UG/L		U
4-METHYL-2-PENTANONE	10 UG/L		UNV										10 UG/L		U
ACETONE	10 UG/L		UNV										10 UG/L		U
BENZENE	1 UG/L		UNV										10 UG/L		U
BROMODICHLOROMETHANE	1 UG/L		UNV										10 UG/L		U
BROMOFORM	1 UG/L		UNV										10 UG/L		U
BROMOMETHANE	5 UG/L		UNV										10 UG/L		U
CARBON DISULFIDE	1 UG/L		UNV										10 UG/L		U
CARBON TETRACHLORIDE	1 UG/L		UNV										10 UG/L		U
CHLOROBENZENE	1 UG/L		UNV										10 UG/L		U
CHLOROETHANE	10 UG/L		UNV										10 UG/L		U
CHLOROFORM	1 UG/L		UNV										10 UG/L		U
CHLOROMETHANE	10 UG/L		UNV										10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV										10 UG/L		U
DIBROMOCHLOROMETHANE	1 UG/L		UNV										10 UG/L		U
ETHYLBENZENE	1 UG/L		UNV										10 UG/L		U
METHYLENE CHLORIDE	10 UG/L		UNV										10 UG/L		U
STYRENE	1 UG/L		UNV										10 UG/L		U
TETRACHLOROETHENE	1 UG/L		UNV										10 UG/L		U
TOLUENE	1 UG/L		UNV										2 UG/L		J
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV										10 UG/L		U
TRICHLOROETHENE	1 UG/L		UNV										10 UG/L		U
TRICHLOROFLUOROMETHANE	1 UG/L		UNV												
VINYL ACETATE	10 UG/L		UNV												
VINYL CHLORIDE	5 UG/L		UNV										10 UG/L		UJ
XYLENES, TOTAL	1 UG/L		UNV										10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930416-9	GW930416-9	046983	046984	046985
TASK:	50.03.23	50.03.23	3.7	3.7	3.7
LAB:	FERMCO	FERMCO	IT	IT	IT
WELL OR BORING NUMBER:	1523	1523	1523	1523	1523
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-APR-93	16-APR-93	18-JUL-90	18-JUL-90	18-JUL-90
NORTH COORDINATE:	479406.88	479406.88	479406.88	479406.88	479406.88
EAST COORDINATE:	1379945.37	1379945.37	1379945.37	1379945.37	1379945.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					046983
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE										1.07 MG/L		J			
RADIONUCLIDES															
URANIUM, TOTAL	18 UG/L		NV	23 UG/L		NV	12.3 UG/L	1.9	-				17.1 UG/L	2.9	-

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046986	045643	046987	064007	064007
TASK:	3.7	3.7	3.7	40.03.01	40.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1523	1523	1523	1615	1615
DEPTH:	-	-	-	-57.5	-57.5
DATE COLLECTED:	18-JUL-90	21-AUG-90	21-AUG-90	29-MAY-91	29-MAY-91
NORTH COORDINATE:	479406.88	479406.88	479406.88	480575.03	480575.03
EAST COORDINATE:	1379945.37	1379945.37	1379945.37	1378436.87	1378436.87
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	046984				
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	F-FIL	RDL-NA

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE	.46 MG/L		J				.47 MG/L		-						
INORGANICS															
ALUMINUM										.0901 MG/L		-			
ANTIMONY										.0987 MG/L		J			
ARSENIC										.002 MG/L		U			
BARIUM										.284 MG/L		J			
BERYLLIUM										.002 MG/L		U			
CADMIUM										.0234 MG/L		J			
CALCIUM										500 MG/L		-			
CHROMIUM										.0121 MG/L		J			
COBALT										.015 MG/L		J			
COPPER										.03 MG/L		J			
IRON										3.48 MG/L		J			
LEAD										.0022 MG/L		-			
MAGNESIUM										154 MG/L		-			
MANGANESE										.465 MG/L		J			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.0183 MG/L		J			
NICKEL										.0632 MG/L		J			
POTASSIUM										2.35 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILICON										7.49 MG/L		-			
SILVER										.0261 MG/L		J			
SODIUM										1070 MG/L		-			
THALLIUM										.01 MG/L		UJ			
VANADIUM										.02 MG/L		J			
ZINC										1.78 MG/L		J			
PESTICIDES															

000181

ALPHA-CHLORDANE
10/02/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046986			045643			046987			064007			064007		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			F-FIL			RDL-NA		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES													2.5 UG/L		UR
TOXAPHENE													5 UG/L		UR
RADIONUCLIDES															
URANIUM, TOTAL				22.6 UG/L	4.7	-									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	064007	064007	064007	064007	064052
TASK:	40.03.01	40.03.01	40.03.01	40.03.01	40.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1615	1615	1615	1615	1616
DEPTH:	-57.5	-57.5	-57.5	-57.5	-120
DATE COLLECTED:	29-MAY-91	29-MAY-91	29-MAY-91	29-MAY-91	09-JUL-91
NORTH COORDINATE:	480575.03	480575.03	480575.03	480575.03	480469.31
EAST COORDINATE:	1378436.87	1378436.87	1378436.87	1378436.87	1378400.91
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-UNF	NONE-UNF	R-UNF	RDL-UNF	F-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U									
CHLORIDE				3230 MG/L		-									
FLUORIDE				.24 MG/L		-									
NITRATE				.1 MG/L		U									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.07 MG/L		-									
SULFATE				102 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				3.05 MG/L		-									
TOTAL ORGANIC HALIDES				.015 MG/L		-									
TOTAL ORGANIC NITROGEN				.167 MG/L		-									
INORGANICS															
ALUMINUM				.141 MG/L		-							.177 MG/L		-
ANTIMONY				.0947 MG/L		J							.0674 MG/L		-
ARSENIC				.002 MG/L		U							.002 MG/L		U
BARIUM				.293 MG/L		J							.063 MG/L		-
BERYLLIUM				.002 MG/L		U							.002 MG/L		U
CADMIUM				.0251 MG/L		J							.0104 MG/L		-
CALCIUM				516 MG/L		-							208 MG/L		-
CHROMIUM				.0218 MG/L		-							.0396 MG/L		-
COBALT				.018 MG/L		J							.0125 MG/L		-
COPPER				.0618 MG/L		J							.0131 MG/L		-
CYANIDE				.0118 MG/L		-									
IRON				5.61 MG/L		J							1.7 MG/L		
LEAD				.002 MG/L		UJ							.002 MG/L		
MAGNESIUM				158 MG/L		-							83.3 MG/L		
MANGANESE				.584 MG/L		J							.23 MG/L		
MERCURY				.0002 MG/L		U							.0002 MG/L		
MOLYBDENUM				.0234 MG/L		-							.0259 MG/L		
NICKEL				.0702 MG/L		J							.03 MG/L		-

000182
000182
6417

SAMPLE NUMBER:	064007			064007			064007			064007			064052		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			R-UNF			RDL-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM				2.43 MG/L		-							3.49 MG/L		-
SELENIUM				.002 MG/L		UJ							.002 MG/L		U
SILICON				7.39 MG/L		-							4.6 MG/L		-
SILVER				.0317 MG/L		J							.0371 MG/L		-
SODIUM				1040 MG/L		-							114 MG/L		-
THALLIUM				.01 MG/L		UJ							.002 MG/L		U
VANADIUM				.0208 MG/L		J							.0221 MG/L		-
ZINC				1.45 MG/L		J							.014 MG/L		-
PESTICIDES															
4,4'-DDD	.5 UG/L		U	.1 UG/L		UR	.1 UG/L		UR	.5 UG/L		UR			
4,4'-DDE	.5 UG/L		U	.1 UG/L		UR	.1 UG/L		UR	.5 UG/L		UR			
4,4'-DDT	3 UG/L		-	10 UG/L		R	42 UG/L		R	3.4 UG/L		R			
ALDRIN	.25 UG/L		U	.05 UG/L		UR	.05 UG/L		UR	.25 UG/L		UR			
ALPHA-BHC	.25 UG/L		U	.05 UG/L		UR	.05 UG/L		UR	.25 UG/L		UR			
ALPHA-CHLORDANE	2.5 UG/L		U	.5 UG/L		UR	.5 UG/L		UR						
AROCLOR-1016	2.5 UG/L		U	.5 UG/L		UR	.5 UG/L		UR	2.5 UG/L		UR			
AROCLOR-1221	2.5 UG/L		U	.5 UG/L		UR	.5 UG/L		UR	2.5 UG/L		UR			
AROCLOR-1232	2.5 UG/L		U	.5 UG/L		UR	.5 UG/L		UR	2.5 UG/L		UR			
AROCLOR-1242	2.5 UG/L		U	.5 UG/L		UR	.5 UG/L		UR	2.5 UG/L		UR			
AROCLOR-1248	2.5 UG/L		U	.5 UG/L		UR	.5 UG/L		UR	2.5 UG/L		UR			
AROCLOR-1254	5 UG/L		U	1 UG/L		UR	1 UG/L		UR	5 UG/L		UR			
AROCLOR-1260	5 UG/L		U	1 UG/L		UR	1 UG/L		UR	5 UG/L		UR			
BETA-BHC	.25 UG/L		U	.05 UG/L		UR	.05 UG/L		UR	.25 UG/L		UR			
DELTA-BHC	.25 UG/L		U	.05 UG/L		UR	.05 UG/L		UR	.25 UG/L		UR			
DIELDRIN	.5 UG/L		U	.1 UG/L		UR	.1 UG/L		UR	.5 UG/L		UR			
ENDOSULFAN II	.5 UG/L		U	.1 UG/L		UR	.1 UG/L		UR	.5 UG/L		UR			
ENDOSULFAN SULFATE	.5 UG/L		U	.1 UG/L		UR	.1 UG/L		UR	.5 UG/L		UR			
ENDOSULFAN-I	.25 UG/L		U	.05 UG/L		UR	.05 UG/L		UR	.25 UG/L		UR			
ENDRIN	.5 UG/L		U	.1 UG/L		UR	.1 UG/L		UR	.5 UG/L		UR			
ENDRIN KETONE	.5 UG/L		U	.1 UG/L		UR	.1 UG/L		UR	.5 UG/L		UR			
GAMMA-BHC (LINDANE)	.25 UG/L		U	.05 UG/L		UR	.05 UG/L		UR	.25 UG/L		UR			
GAMMA-CHLORDANE	2.5 UG/L		U	.5 UG/L		UR	.5 UG/L		UR	2.5 UG/L		UR			
HEPTACHLOR	.25 UG/L		U	.05 UG/L		UR	.05 UG/L		UR	.25 UG/L		UR			
HEPTACHLOR EPOXIDE	.25 UG/L		U	.05 UG/L		UR	.05 UG/L		UR	.25 UG/L		UR			
METHOXYCHLOR	2.5 UG/L		U	.5 UG/L		UR	.5 UG/L		UR	2.5 UG/L		UR			
TOXAPHENE	5 UG/L		U	1 UG/L		UR	1 UG/L		UR						
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U									
URANIUM, TOTAL				1.51 UG/L	.16	J									
URANIUM-234				1.17 PCI/L	.39	J									
THORIUM-230				1 PCI/L		UJ									
RADIUM-226				1 PCI/L		U									
LEAD-210				3 PCI/L		U									

SAMPLE NUMBER:	064007			064007			064007			064007			064052		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			R-UNF			RDL-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-235/236				1 PCI/L		UJ									
THORIUM-232				1 PCI/L		U									
THORIUM, TOTAL				9.1 UG/L		U									
RADIUM-228				3 PCI/L		U									
THORIUM-228				1.96 PCI/L	.96	J									
NEPTUNIUM-237				1 PCI/L		R									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		UJ									
STRONTIUM-90				5 PCI/L		R									
TECHNETIUM-99				30 PCI/L		UJ									
RUTHENIUM-106				150 PCI/L		UJ									
CESIUM-137				20 PCI/L		UJ									
ACTINIUM-227				1 PCI/L		UJ									
PROTACTINIUM-231				348 PCI/L		UJ									
RADIUM-224				21 PCI/L		UJ									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				20 UG/L		U									
1,2-DICHLOROBENZENE				20 UG/L		U									
1,3-DICHLOROBENZENE				20 UG/L		U									
1,4-DICHLOROBENZENE				20 UG/L		U									
2,4,5-TRICHLOROPHENOL				100 UG/L		U									
2,4,6-TRICHLOROPHENOL				20 UG/L		U									
2,4-DICHLOROPHENOL				20 UG/L		U									
2,4-DIMETHYLPHENOL				20 UG/L		U									
2,4-DINITROPHENOL				100 UG/L		U									
2,4-DINITROTOLUENE				20 UG/L		U									
2,6-DINITROTOLUENE				20 UG/L		U									
2-CHLORONAPHTHALENE				20 UG/L		U									
2-CHLOROPHENOL				20 UG/L		U									
2-METHYLNAPHTHALENE				20 UG/L		U									
2-METHYLPHENOL				20 UG/L		U									
2-NITROANILINE				100 UG/L		U									
2-NITROPHENOL				20 UG/L		U									
3,3'-DICHLOROBENZIDINE				40 UG/L		U									
3-NITROANILINE				100 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				100 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				20 UG/L		U									
4-CHLORO-3-METHYLPHENOL				20 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				20 UG/L		U									
4-METHYLPHENOL				20 UG/L		U									
4-NITROANILINE				100 UG/L		U									
4-NITROPHENOL				100 UG/L		U									
ACENAPHTHENE				20 UG/L		U									
ACENAPHTHYLENE				20 UG/L		U									
ANTHRACENE				20 UG/L		U									

000184

6412

SAMPLE NUMBER:	064007			064007			064007			064007			064052		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			R-UNF			RDL-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(A)ANTHRACENE				20 UG/L		U									
BENZO(A)PYRENE				20 UG/L		U									
BENZO(B)FLUORANTHENE				20 UG/L		U									
BENZO(G,H,I)PERYLENE				20 UG/L		U									
BENZO(K)FLUORANTHENE				20 UG/L		U									
BENZOIC ACID				100 UG/L		UJ									
BENZYL ALCOHOL				20 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				20 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				20 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				20 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				20 UG/L		U									
BUTYL BENZYL PHTHALATE				20 UG/L		U									
CHRYSENE				20 UG/L		U									
DI-N-BUTYL PHTHALATE				20 UG/L		U									
DI-N-OCTYL PHTHALATE				20 UG/L		U									
DIBENZO(A,H)ANTHRACENE				20 UG/L		U									
DIBENZOFURAN				20 UG/L		U									
DIETHYL PHTHALATE				20 UG/L		U									
DIMETHYL PHTHALATE				20 UG/L		U									
FLUORANTHENE				20 UG/L		U									
FLUORENE				20 UG/L		U									
HEXACHLOROBENZENE				20 UG/L		U									
HEXACHLOROBUTADIENE				20 UG/L		UJ									
HEXACHLOROCYCLOPENTADIENE				20 UG/L		U									
HEXACHLOROETHANE				20 UG/L		U									
INDENO(1,2,3-CD)PYRENE				20 UG/L		U									
ISOPHORONE				20 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				20 UG/L		U									
N-NITROSODIPHENYLAMINE				20 UG/L		U									
NAPHTHALENE				20 UG/L		U									
NITROBENZENE				20 UG/L		U									
P-CHLOROANILINE				20 UG/L		U									
PENTACHLOROPHENOL				100 UG/L		U									
PHENANTHRENE				20 UG/L		U									
PHENOL				20 UG/L		U									
PYRENE				20 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,2-TRICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHENE				5 UG/L		U									
1,2-DICHLOROETHANE				5 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U									

SAMPLE NUMBER:	064007			064007			064007			064007			064052		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			R-UNF			RDL-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE				5 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				1 UG/L		J									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		UJ									
BENZENE				5 UG/L		UJ									
BROMODICHLOROMETHANE				5 UG/L		U									
BROMOFORM				5 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				9 UG/L		-									
CARBON TETRACHLORIDE				5 UG/L		U									
CHLOROBENZENE				5 UG/L		UJ									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				5 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				5 UG/L		U									
DIBROMOCHLOROMETHANE				5 UG/L		U									
ETHYLBENZENE				5 UG/L		UJ									
METHYLENE CHLORIDE				5 UG/L		UJ									
STYRENE				5 UG/L		UJ									
TETRACHLOROETHENE				5 UG/L		U									
TOLUENE				5 UG/L		UJ									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U									
TRICHLOROETHENE				5 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				5 UG/L		UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	064052			064052			064021			064021			064021		
TASK:	40.03.01			40.03.01			40.03.01			40.03.01			40.03.01		
LAB:	IT			IT			IT			IT			IT/RSL		
WELL OR BORING NUMBER:	1616			1616			1616			1616			1616		
DEPTH:	-120			-120			-48			-48			-48		
DATE COLLECTED:	09-JUL-91			09-JUL-91			21-JUN-91			21-JUN-91			21-JUN-91		
NORTH COORDINATE:	480469.31			480469.31			480469.31			480469.31			480469.31		
EAST COORDINATE:	1378400.91			1378400.91			1378400.91			1378400.91			1378400.91		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.1 MG/L		U			
CHLORIDE				195 MG/L		-				238 MG/L		-			
FLUORIDE				.68 MG/L		-				.38 MG/L		-			
NITRATE				438 MG/L		-				55.6 MG/L		-			
PHENOLS				.02 MG/L		-				.01 MG/L		U			
PHOSPHORUS				2.55 MG/L		-				.02 MG/L		U			
SULFATE				450 MG/L		-				190 MG/L		-			
SULFIDE				.5 MG/L		U				.5 MG/L		U			
TOTAL ORGANIC CARBON				2.62 MG/L		-				3.46 MG/L		-			
TOTAL ORGANIC HALIDES				.01 MG/L		U				.031 MG/L		-			
TOTAL ORGANIC NITROGEN				.598 MG/L		-				.327 MG/L		-			
INORGANICS															
ALUMINUM				13.8 MG/L		J	.149 MG/L		J	74.6 MG/L		J			
ANTIMONY				.0898 MG/L		J	.0483 MG/L		J	.149 MG/L		J			
ARSENIC				.0061 MG/L		-	.0024 MG/L		UJ	.0569 MG/L		J			
BARIUM				.702 MG/L		J	.112 MG/L		J	.552 MG/L		J			
BERYLLIUM				.002 MG/L		U	.002 MG/L		U	.0064 MG/L		-			
CADMIUM				.0139 MG/L		-	.0077 MG/L		-	.0114 MG/L		-			
CALCIUM				258 MG/L		-	156 MG/L		-	220 MG/L		-			
CHROMIUM				.114 MG/L		-	.041 MG/L		J	.31 MG/L		J			
COBALT				.0264 MG/L		-	.01 MG/L		U	.0973 MG/L		-			
COPPER				.0422 MG/L		-	.0129 MG/L		J	.385 MG/L		-			
CYANIDE				.002 MG/L		U				.005388 MG/L		-			
IRON				35.9 MG/L		-	3.14 MG/L		J	221 MG/L		J			
LEAD				.0111 MG/L		J	.002 MG/L		UJ	.0779 MG/L		J	3 PCI/L		R
MAGNESIUM				100 MG/L		-	53.8 MG/L		-	83.9 MG/L		-			
MANGANESE				.713 MG/L		-	.526 MG/L		-	6.25 MG/L		-			
MERCURY				.0002 MG/L		UJ	.0002 MG/L		U	.0002 MG/L		U			
MOLYBDENUM				.063 MG/L		-	.015 MG/L		J	.149 MG/L		-			
NICKEL				.0942 MG/L		-	.0319 MG/L		J	.369 MG/L		-			

SAMPLE NUMBER:	064052			064052			064021			064021			064021		
LAB:	IT			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM				3.83 MG/L		-	.728 MG/L		-	5.81 MG/L		-			
SELENIUM				.002 MG/L		U	.0513 MG/L		J	.0446 MG/L		J			
SILICON				24.3 MG/L		J	7.1 MG/L		J	79.4 MG/L		J			
SILVER				.0473 MG/L		-	.0345 MG/L		-	.0482 MG/L		-			
SODIUM				92.7 MG/L		-	5260 MG/L		J	139 MG/L		J			
THALLIUM				.002 MG/L		U	.002 MG/L		R	.002 MG/L		R			
VANADIUM				.0571 MG/L		-	.0223 MG/L		J	.203 MG/L		J			
ZINC				.164 MG/L		J	.277 MG/L		-	4.87 MG/L		-			
PESTICIDES															
4,4'-DDD	.2 UG/L		UJ	.1 UG/L		R				.1 UG/L		UJ			
4,4'-DDE	.2 UG/L		UJ	.1 UG/L		R				.1 UG/L		UJ			
4,4'-DDT	.2 UG/L		UJ	.1 UG/L		R				.1 UG/L		U			
ALDRIN	.1 UG/L		UJ	.05 UG/L		R				.05 UG/L		UJ			
ALPHA-BHC	.1 UG/L		UJ	.05 UG/L		R				.05 UG/L		UJ			
ALPHA-CHLORDANE	1 UG/L		UJ	.5 UG/L		R				.5 UG/L		UJ			
AROCLOR-1016	1 UG/L		UJ	.5 UG/L		R				.5 UG/L		U			
AROCLOR-1221	1 UG/L		UJ	.5 UG/L		R				.5 UG/L		U			
AROCLOR-1232	1 UG/L		UJ	.5 UG/L		R				.5 UG/L		UJ			
AROCLOR-1242	1 UG/L		UJ	.5 UG/L		R				.5 UG/L		U			
AROCLOR-1248	1 UG/L		UJ	.5 UG/L		R				.5 UG/L		U			
AROCLOR-1254	2 UG/L		UJ	1 UG/L		R				1 UG/L		U			
AROCLOR-1260	2 UG/L		UJ	1 UG/L		R				1 UG/L		UJ			
BETA-BHC	.1 UG/L		UJ	.05 UG/L		R				.05 UG/L		UJ			
DELTA-BHC	.1 UG/L		UJ	.05 UG/L		R				.05 UG/L		UJ			
DIELDRIN	.2 UG/L		UJ	.1 UG/L		R				.1 UG/L		UJ			
ENDOSULFAN II	.2 UG/L		UJ	.1 UG/L		R				.1 UG/L		UJ			
ENDOSULFAN SULFATE	.2 UG/L		UJ	.1 UG/L		R				.1 UG/L		UJ			
ENDOSULFAN-I	.1 UG/L		UJ	.05 UG/L		R				.05 UG/L		UJ			
ENDRIN	.2 UG/L		UJ	.1 UG/L		R				.1 UG/L		UJ			
ENDRIN KETONE	.2 UG/L		UJ	.1 UG/L		R				.1 UG/L		UJ			
GAMMA-BHC (LINDANE)	.1 UG/L		UJ	.05 UG/L		R				.05 UG/L		UJ			
GAMMA-CHLORDANE	1 UG/L		UJ	.5 UG/L		R				.5 UG/L		UJ			
HEPTACHLOR	.1 UG/L		UJ	.05 UG/L		R				.05 UG/L		UJ			
HEPTACHLOR EPOXIDE	.1 UG/L		UJ	.05 UG/L		R				.05 UG/L		UJ			
METHOXYCHLOR	1 UG/L		UJ	.5 UG/L		R				.5 UG/L		UJ			
TOXAPHENE	2 UG/L		UJ	1 UG/L		R				1 UG/L		U			
RADIONUCLIDES															
URANIUM-238				1.96 PCI/L	.47	J							146 PCI/L	18	
URANIUM, TOTAL				6.17 UG/L	1.53	J							439 UG/L	56	J
URANIUM-234				3.04 PCI/L	.61	J							139 PCI/L	18	
THORIUM-230				1 PCI/L		UJ							1 PCI/L		UJ
RADIUM-226				1 PCI/L		U				21 PCI/L		UJ			
LEAD-210				3 PCI/L		UJ							3 PCI/L		R

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6417.2

SAMPLE NUMBER:	064052			064052			064021			064021			064021		
LAB:	IT			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
POLONIUM-210				1.7 PCI/L		UJ							1.6 PCI/L		UJ
URANIUM-235/236				1 PCI/L		UJ							9.92 PCI/L	1.83	J
THORIUM-232				1 PCI/L		UJ							1 PCI/L		UJ
THORIUM, TOTAL				3 UG/L		UJ							2.4 UG/L		UJ
RADIUM-228				3 PCI/L		UJ				62 PCI/L		UJ			
THORIUM-228				1.54 PCI/L	.48	J							1 PCI/L		UJ
ACTINIUM-227				62 PCI/L		UJ							37.7 PCI/L		UJ
PROTACTINIUM-231				290 PCI/L		UJ							69 PCI/L		UJ
RADIUM-224				20 PCI/L		UJ				19 PCI/L		UJ	19 PCI/L		UJ
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,2-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,3-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,4-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
2,4,5-TRICHLOROPHENOL				50 UG/L		U				50 UG/L		U			
2,4,6-TRICHLOROPHENOL				10 UG/L		U				10 UG/L		U			
2,4-DICHLOROPHENOL				10 UG/L		U				10 UG/L		U			
2,4-DIMETHYLPHENOL				10 UG/L		U				10 UG/L		U			
2,4-DINITROPHENOL				50 UG/L		U				50 UG/L		U			
2,4-DINITROTOLUENE				10 UG/L		U				10 UG/L		U			
2,6-DINITROTOLUENE				10 UG/L		U				10 UG/L		U			
2-CHLORONAPHTHALENE				10 UG/L		U				10 UG/L		U			
2-CHLOROPHENOL				10 UG/L		U				10 UG/L		U			
2-METHYLNAPHTHALENE				10 UG/L		U				10 UG/L		U			
2-METHYLPHENOL				10 UG/L		U				10 UG/L		U			
2-NITROANILINE				50 UG/L		U				50 UG/L		U			
2-NITROPHENOL				10 UG/L		U				10 UG/L		U			
3,3'-DICHLOROBENZIDINE				20 UG/L		U				20 UG/L		U			
3-NITROANILINE				50 UG/L		U				50 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U				50 UG/L		U			
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U				10 UG/L		U			
4-CHLORO-3-METHYLPHENOL				10 UG/L		U				10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U				10 UG/L		U			
4-METHYLPHENOL				10 UG/L		U				10 UG/L		U			
4-NITROANILINE				50 UG/L		U				50 UG/L		U			
4-NITROPHENOL				50 UG/L		U				50 UG/L		U			
ACENAPHTHENE				10 UG/L		U				10 UG/L		U			
ACENAPHTHYLENE				10 UG/L		U				10 UG/L		U			
ANTHRACENE				10 UG/L		U				10 UG/L		U			
BENZO(A)ANTHRACENE				10 UG/L		U				10 UG/L		U			
BENZO(A)PYRENE				10 UG/L		U				10 UG/L		U			
BENZO(B)FLUORANTHENE				10 UG/L		U				10 UG/L		U			
BENZO(G,H,I)PERYLENE				10 UG/L		U				10 UG/L		U			
BENZO(K)FLUORANTHENE				10 UG/L		U				10 UG/L		U			
BENZOIC ACID				50 UG/L		UJ				50 UG/L		U			

SAMPLE NUMBER:	064052			064052			064021			064021			064021		
LAB:	IT			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZYL ALCOHOL				10 UG/L		U				10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U				10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U				10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U				10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U				10 UG/L		U			
BUTYL BENZYL PHTHALATE				10 UG/L		U				10 UG/L		U			
CHRYSENE				10 UG/L		U				10 UG/L		U			
DI-N-BUTYL PHTHALATE				10 UG/L		U				10 UG/L		U			
DI-N-OCTYL PHTHALATE				10 UG/L		U				10 UG/L		U			
DIBENZO(A,H)ANTHRACENE				10 UG/L		U				10 UG/L		U			
DIBENZOFURAN				10 UG/L		U				10 UG/L		U			
DIETHYL PHTHALATE				10 UG/L		U				10 UG/L		U			
DIMETHYL PHTHALATE				10 UG/L		U				10 UG/L		U			
FLUORANTHENE				10 UG/L		U				10 UG/L		U			
FLUORENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROBENZENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROBUTADIENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROETHANE				10 UG/L		U				10 UG/L		U			
INDENO(1,2,3-CD)PYRENE				10 UG/L		U				10 UG/L		U			
ISOPHORONE				10 UG/L		U				10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U				10 UG/L		U			
N-NITROSODIPHENYLAMINE				10 UG/L		U				10 UG/L		U			
NAPHTHALENE				10 UG/L		U				10 UG/L		U			
NITROBENZENE				10 UG/L		U				10 UG/L		U			
P-CHLOROANILINE				10 UG/L		U				10 UG/L		U			
PENTACHLOROPHENOL				50 UG/L		U				50 UG/L		U			
PHENANTHRENE				10 UG/L		U				10 UG/L		U			
PHENOL				10 UG/L		U				10 UG/L		U			
PYRENE				10 UG/L		U				10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		U				5 UG/L		U			
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U				5 UG/L		U			
1,1,2-TRICHLOROETHANE				5 UG/L		U				5 UG/L		U			
1,1-DICHLOROETHANE				5 UG/L		U				5 UG/L		U			
1,1-DICHLOROETHENE				5 UG/L		U				5 UG/L		U			
1,2-DICHLOROETHANE				5 UG/L		U				5 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U				5 UG/L		U			
1,2-DICHLOROPROPANE				5 UG/L		U				5 UG/L		U			
2-BUTANONE				10 UG/L		R				10 UG/L		U			
2-HEXANONE				10 UG/L		UJ				10 UG/L		U			
4-METHYL-2-PENTANONE				10 UG/L		U				10 UG/L		U			
ACETONE				41 UG/L		J				10 UG/L		U			
BENZENE				5 UG/L		UJ				5 UG/L		U			

SAMPLE NUMBER:	064052			064052			064021			064021			064021		
LAB:	IT			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE				5 UG/L		U				5 UG/L		U			
BROMOFORM				5 UG/L		U				5 UG/L		U			
BROMOMETHANE				10 UG/L		UJ				10 UG/L		U			
CARBON DISULFIDE				5 UG/L		U				5 UG/L		U			
CARBON TETRACHLORIDE				5 UG/L		U				5 UG/L		U			
CHLOROBENZENE				5 UG/L		UJ				5 UG/L		U			
CHLOROETHANE				10 UG/L		U				10 UG/L		U			
CHLOROFORM				5 UG/L		U				5 UG/L		U			
CHLOROMETHANE				10 UG/L		UJ				10 UG/L		U			
CIS-1,3-DICHLOROPROPENE				5 UG/L		U				5 UG/L		U			
DIBROMOCHLOROMETHANE				5 UG/L		U				5 UG/L		U			
ETHYLBENZENE				5 UG/L		UJ				5 UG/L		U			
METHYLENE CHLORIDE				5 UG/L		U				5 UG/L		U			
STYRENE				5 UG/L		UJ				5 UG/L		U			
TETRACHLOROETHENE				5 UG/L		U				5 UG/L		U			
TOLUENE				5 UG/L		UJ				5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U				5 UG/L		U			
TRICHLOROETHENE				5 UG/L		U				5 UG/L		U			
VINYL ACETATE				10 UG/L		U				10 UG/L		U			
VINYL CHLORIDE				10 UG/L		U				10 UG/L		U			
XYLENES, TOTAL				5 UG/L		UJ				5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	064009	064009	064009	064154	064090
TASK:	40.03.01	40.03.01	40.03.01	40.03.01	40.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1617	1617	1617	1618	1619
DEPTH:	-68.5	-68.5	-68.5	-130	-110
DATE COLLECTED:	10-JUN-91	10-JUN-91	10-JUN-91	20-AUG-91	31-JUL-91
NORTH COORDINATE:	480348.37	480348.37	480348.37	480371.07	480476.98
EAST COORDINATE:	1378432.37	1378432.37	1378432.37	1378511.33	1378529.22
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	F-FIL	DL-UNF	NONE-UNF	NONE-UNF	F-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U						
CHLORIDE							44.8 MG/L		-						
FLUORIDE							.62 MG/L		-						
NITRATE							554 MG/L		-						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.55 MG/L		-						
SULFATE							1287 MG/L		-						
SULFIDE							.5 MG/L		U						
TOTAL ORGANIC CARBON							.01 MG/L		U						
TOTAL ORGANIC HALIDES							.01 MG/L		U						
TOTAL ORGANIC NITROGEN							.167 MG/L		-						
INORGANICS															
ALUMINUM	.263 MG/L		-				2.46 MG/L		-				.0753 MG/L		-
ANTIMONY	.078 MG/L		UJ				.0827 MG/L		J				.03 MG/L		U
ARSENIC	.002 MG/L		UJ				.005 MG/L		J				.002 MG/L		UJ
BARIUM	.0175 MG/L		J				.0326 MG/L		J				.0381 MG/L		-
BERYLLIUM	.002 MG/L		U				.002 MG/L		U				.002 MG/L		U
CADMIUM	.0134 MG/L		-				.0164 MG/L		-				.0052 MG/L		-
CALCIUM	134 MG/L		-				194 MG/L		-				127 MG/L		-
CHROMIUM	.0455 MG/L		-				.0987 MG/L		-				.0184 MG/L		-
COBALT	.0199 MG/L		-				.0254 MG/L		-				.01 MG/L		U
COPPER	.0231 MG/L		J				.0917 MG/L		J				.01 MG/L		U
CYANIDE							.0067 MG/L		-						
IRON	20.1 MG/L		J				40.5 MG/L		J				5.6 MG/L		-
LEAD	.002 MG/L		UJ				.0068 MG/L		J				.002 MG/L		U
MAGNESIUM	66 MG/L		-				79.9 MG/L		-				51.9 MG/L		-
MANGANESE	.62 MG/L		J				.839 MG/L		J				.277 MG/L		-
MERCURY	.0002 MG/L		UJ				.0002 MG/L		UJ				.0002 MG/L		UJ
MOLYBDENUM	.266 MG/L		-				.259 MG/L		-				.0209 MG/L		-
NICKEL	.0936 MG/L		U				.136 MG/L		-				.0275 MG/L		-

6417

00015232

SAMPLE NUMBER:	064009			064009			064009			064154			064090		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			DL-UNF			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM	1.85 MG/L		J				2.36 MG/L		J				1.53 MG/L		-
SELENIUM	.0494 MG/L		J				.0566 MG/L		J				.002 MG/L		U
SILICON	7.26 MG/L		-				10.5 MG/L		-				7.17 MG/L		-
SILVER	.0379 MG/L		-				.0401 MG/L		-				.0182 MG/L		J
SODIUM	632 MG/L		-				600 MG/L		-				39.7 MG/L		-
THALLIUM	.002 MG/L		UJ				.002 MG/L		UJ				.002 MG/L		UJ
VANADIUM	.0268 MG/L		J				.0352 MG/L		J				.0108 MG/L		-
ZINC	.536 MG/L		-				1.59 MG/L		-				.762 MG/L		-
PESTICIDES															
4,4'-DDD							.1 UG/L		U	.1 UG/L		U			
4,4'-DDE							.1 UG/L		U	.1 UG/L		U			
4,4'-DDT							.1 UG/L		U	.1 UG/L		U			
ALDRIN							.05 UG/L		U	.05 UG/L		U			
ALPHA-BHC							.05 UG/L		U	.05 UG/L		U			
ALPHA-CHLORDANE							.5 UG/L		U	.5 UG/L		U			
AROCLOR-1016							.5 UG/L		U	.5 UG/L		U			
AROCLOR-1221							.5 UG/L		U	.5 UG/L		U			
AROCLOR-1232							.5 UG/L		U	.5 UG/L		U			
AROCLOR-1242							.5 UG/L		U	.5 UG/L		U			
AROCLOR-1248							.5 UG/L		U	.5 UG/L		U			
AROCLOR-1254							1 UG/L		U	1 UG/L		U			
AROCLOR-1260							1 UG/L		U	1 UG/L		U			
BETA-BHC							.05 UG/L		U	.05 UG/L		U			
DELTA-BHC							.05 UG/L		U	.05 UG/L		U			
DIELDRIN							.1 UG/L		U	.1 UG/L		U			
ENDOSULFAN II							.1 UG/L		U	.1 UG/L		U			
ENDOSULFAN SULFATE							.1 UG/L		U	.1 UG/L		U			
ENDOSULFAN-I							.05 UG/L		U	.05 UG/L		U			
ENDRIN							.1 UG/L		U	.1 UG/L		U			
ENDRIN KETONE							.1 UG/L		U	.1 UG/L		U			
GAMMA-BHC (LINDANE)							.05 UG/L		U	.05 UG/L		U			
GAMMA-CHLORDANE							.5 UG/L		U	.5 UG/L		U			
HEPTACHLOR							.05 UG/L		U	.05 UG/L		U			
HEPTACHLOR EPOXIDE							.05 UG/L		U	.05 UG/L		U			
METHOXYCHLOR							.5 UG/L		U	.5 UG/L		U			
TOXAPHENE							1 UG/L		U	1 UG/L		U			
RADIONUCLIDES															
URANIUM-238							1.22 PCI/L	.28	J						
URANIUM, TOTAL							6.33 UG/L	.66	-						
URANIUM-234							1 PCI/L		R						
THORIUM-230							1 PCI/L		R						
RADIUM-226							1 PCI/L		R						
URANIUM-235/236							1 PCI/L		R						

SAMPLE NUMBER:	064009			064009			064009			064154			064090		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			DL-UNF			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-232							1 PCI/L		UJ						
THORIUM, TOTAL							3.5 UG/L		UJ						
RADIUM-228							3 PCI/L		R						
THORIUM-228							1 PCI/L		R						
NEPTUNIUM-237							1 PCI/L		R						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		R						
STRONTIUM-90							5 PCI/L		UJ						
TECHNETIUM-99							30 PCI/L		U						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
1,2-DICHLOROBENZENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
1,3-DICHLOROBENZENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
1,4-DICHLOROBENZENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
2,4,5-TRICHLOROPHENOL				100 UG/L		R	50 UG/L		U	50 UG/L		R			
2,4,6-TRICHLOROPHENOL				20 UG/L		R	10 UG/L		U	10 UG/L		R			
2,4-DICHLOROPHENOL				20 UG/L		R	10 UG/L		U	10 UG/L		R			
2,4-DIMETHYLPHENOL				20 UG/L		R	10 UG/L		U	10 UG/L		R			
2,4-DINITROPHENOL				100 UG/L		R	50 UG/L		U	50 UG/L		R			
2,4-DINITROTOLUENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
2,6-DINITROTOLUENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
2-CHLORONAPHTHALENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
2-CHLOROPHENOL				20 UG/L		R	10 UG/L		U	10 UG/L		R			
2-METHYLNAPHTHALENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
2-METHYLPHENOL				20 UG/L		R	10 UG/L		U	10 UG/L		R			
2-NITROANILINE				100 UG/L		R	50 UG/L		U	50 UG/L		U			
2-NITROPHENOL				20 UG/L		R	10 UG/L		U	10 UG/L		R			
3,3'-DICHLOROBENZIDINE				40 UG/L		R	20 UG/L		U	20 UG/L		U			
3-NITROANILINE				100 UG/L		R	50 UG/L		U	50 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL				100 UG/L		R	50 UG/L		U	50 UG/L		R			
4-BROMOPHENYL PHENYL ETHER				20 UG/L		R	10 UG/L		U	10 UG/L		U			
4-CHLORO-3-METHYLPHENOL				20 UG/L		R	10 UG/L		U	10 UG/L		R			
4-CHLOROPHENYLPHENYL ETHER				20 UG/L		R	10 UG/L		U	10 UG/L		U			
4-METHYLPHENOL				20 UG/L		R	10 UG/L		U	10 UG/L		R			
4-NITROANILINE				100 UG/L		R	50 UG/L		U	50 UG/L		U			
4-NITROPHENOL				100 UG/L		R	50 UG/L		U	50 UG/L		R			
ACENAPHTHENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
ACENAPHTHYLENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
ANTHRACENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
BENZO(A)ANTHRACENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
BENZO(A)PYRENE,				20 UG/L		R	10 UG/L		U	10 UG/L		U			
BENZO(B)FLUORANTHENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
BENZO(G,H,I)PERYLENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			

SAMPLE NUMBER:	064009			064009			064009			064154			064090		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			DL-UNF			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(K)FLUORANTHENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
BENZOIC ACID				100 UG/L		R	50 UG/L		UJ	50 UG/L		R			
BENZYL ALCOHOL				20 UG/L		R	10 UG/L		U	10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER				20 UG/L		R	10 UG/L		U	10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER				20 UG/L		R	10 UG/L		U	10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE				490 UG/L		R	350 UG/L		-	10 UG/L		U			
BUTYL BENZYL PHTHALATE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
CHRYSENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
DI-N-BUTYL PHTHALATE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
DI-N-OCTYL PHTHALATE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
DIBENZO(A,H)ANTHRACENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
DIBENZOFURAN				20 UG/L		R	10 UG/L		U	10 UG/L		U			
DIETHYL PHTHALATE				20 UG/L		R	3 UG/L		J	10 UG/L		U			
DIMETHYL PHTHALATE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
FLUORANTHENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
FLUORENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
HEXACHLOROBENZENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
HEXACHLOROBUTADIENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
HEXACHLOROETHANE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
INDENO(1,2,3-CD)PYRENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
ISOPHORONE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE				20 UG/L		R	10 UG/L		U	8 UG/L		J			
N-NITROSODIPHENYLAMINE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
NAPHTHALENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
NITROBENZENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
P-CHLOROANILINE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
PENTACHLOROPHENOL				100 UG/L		R	50 UG/L		U	50 UG/L		R			
PHENANTHRENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
PHENOL				20 UG/L		R	10 UG/L		U	10 UG/L		R			
PYRENE				20 UG/L		R	10 UG/L		U	10 UG/L		U			
TRIBUTYL PHOSPHATE										10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		UJ						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		UJ						
1,1,2-TRICHLOROETHANE							5 UG/L		UJ						
1,1-DICHLOROETHANE							5 UG/L		UJ						
1,1-DICHLOROETHENE							5 UG/L		UJ						
1,2-DICHLOROETHANE							5 UG/L		UJ						
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		UJ						
1,2-DICHLOROPROPANE							5 UG/L		UJ						
2-BUTANONE							10 UG/L		R						
2-HEXANONE							10 UG/L		UJ						

SAMPLE NUMBER:	064009			064009			064009			064154			064090		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			DL-UNF			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
4-METHYL-2-PENTANONE							10 UG/L		UJ						
ACETONE							6 UG/L		UJ						
BENZENE							5 UG/L		UJ						
BROMODICHLOROMETHANE							5 UG/L		UJ						
BROMOFORM							5 UG/L		UJ						
BROMOMETHANE							10 UG/L		UJ						
CARBON DISULFIDE							5 UG/L		UJ						
CARBON TETRACHLORIDE							5 UG/L		UJ						
CHLOROBENZENE							5 UG/L		UJ						
CHLOROETHANE							10 UG/L		UJ						
CHLOROFORM							5 UG/L		UJ						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							5 UG/L		UJ						
DIBROMOCHLOROMETHANE							5 UG/L		UJ						
ETHYLBENZENE							5 UG/L		UJ						
METHYLENE CHLORIDE							2 UG/L		U						
STYRENE							5 UG/L		UJ						
TETRACHLOROETHENE							5 UG/L		UJ						
TOLUENE							5 UG/L		UJ						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		UJ						
TRICHLOROETHENE							5 UG/L		UJ						
VINYL ACETATE							10 UG/L		UJ						
VINYL CHLORIDE							10 UG/L		UJ						
XYLENES, TOTAL							5 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	064090	064090	099645	004361	004361
TASK:	40.03.01	40.03.01	40.03.02	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1619	1619	1623	1643	1643
DEPTH:	-110	-110	-8	-	-
DATE COLLECTED:	31-JUL-91	31-JUL-91	03-JUN-91	08-JAN-91	08-JAN-91
NORTH COORDINATE:	480476.98	480476.98	480515.1	481890.76	481890.76
EAST COORDINATE:	1378529.22	1378529.22	1378532.07	1378724.03	1378724.03
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-UNF	NONE-UNF	NONE-NA	F-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													1135.8 MG/L		J
AMMONIA				.6 MG/L		-									
CHLORIDE				23 MG/L		-							46.89 MG/L		-
FLUORIDE				.2 MG/L		-							.92 MG/L		-
NITRATE				13 MG/L		-									
PH				10 UG/L		U							7.73 SU		-
PHENOLS				.02 MG/L		U							.47 MG/L		-
PHOSPHORUS				.06 MG/L		-							1.875 MG/L		-
SPECIFIC CONDUCTIVITY													733 UMHOS/CM		-
SULFATE				190 MG/L		-							123.7 MG/L		-
SULFIDE				.5 MG/L		UJ									
TOTAL DISSOLVED SOLIDS													469 MG/L		-
TOTAL ORGANIC CARBON				1 MG/L		-							4.72 MG/L		-
TOTAL ORGANIC HALIDES				.01 MG/L		UJ									
TOTAL ORGANIC NITROGEN				.1 MG/L		U							.22 MG/L		-
INORGANICS															
ALUMINUM				.208 MG/L		-				.106 MG/L		UJ			
ANTIMONY				.03 MG/L		U				.0419 MG/L		UJ			
ARSENIC				.002 MG/L		UJ				.0046 MG/L		UJ			
BARIUM				.0401 MG/L		-				.0859 MG/L		UJ			
BERYLLIUM				.002 MG/L		U				.002 MG/L		UJ			
CADMIUM				.0051 MG/L		-				.0125 MG/L		UJ			
CALCIUM				130 MG/L		-				143 MG/L		UJ			
CHROMIUM				.019 MG/L		-				.0282 MG/L		UJ			
COBALT				.01 MG/L		U				.01 MG/L		UJ			
COPPER				.01 MG/L		U				.0152 MG/L		UJ			
CYANIDE				.00002 MG/L		UNV									
IRON				7.89 MG/L		-				.0247 MG/L		UJ			
LEAD				.002 MG/L		U	3 PCI/L		R	.002 MG/L		UJ			
MAGNESIUM				52 MG/L		-				68.9 MG/L		UJ			

SAMPLE NUMBER:	064090			064090			099645			004361			004361		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-NA			F-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE				.292 MG/L		-				.402 MG/L		UJ			
MERCURY				.0002 MG/L		UJ				.0002 MG/L		UJ			
MOLYBDENUM				.0209 MG/L		-				.0138 MG/L		UJ			
NICKEL				.029 MG/L		-				.0382 MG/L		UJ			
POTASSIUM				1.49 MG/L		-				2.95 MG/L		UJ			
SELENIUM				.002 MG/L		U				.002 MG/L		UJ			
SILICON				7.26 MG/L		-									
SILVER				.0181 MG/L		J				.0258 MG/L		UJ			
SODIUM				39.4 MG/L		-				44.1 MG/L		UJ			
THALLIUM				.002 MG/L		UJ				.002 MG/L		UJ			
VANADIUM				.0101 MG/L		-				.0149 MG/L		UJ			
ZINC				.828 MG/L		-				.0194 MG/L		UJ			
PESTICIDES															
4,4'-DDD	.2 UG/L		R	.1 UG/L		U									
4,4'-DDE	.2 UG/L		R	.1 UG/L		U									
4,4'-DDT	.2 UG/L		R	.1 UG/L		U									
ALDRIN	.1 UG/L		R	.05 UG/L		U									
ALPHA-BHC	.1 UG/L		R	.05 UG/L		U									
ALPHA-CHLORDANE	1 UG/L		R	.5 UG/L		U									
AROCLOR-1016	1 UG/L		R	.5 UG/L		U									
AROCLOR-1221	1 UG/L		R	.5 UG/L		U									
AROCLOR-1232	1 UG/L		R	.5 UG/L		U									
AROCLOR-1242	1 UG/L		R	.5 UG/L		U									
AROCLOR-1248	1 UG/L		R	.5 UG/L		U									
AROCLOR-1254	2 UG/L		R	1 UG/L		U									
AROCLOR-1260	2 UG/L		R	1 UG/L		U									
BETA-BHC	.1 UG/L		R	.05 UG/L		U									
DELTA-BHC	.1 UG/L		R	.05 UG/L		U									
DIELDRIN	.2 UG/L		R	.1 UG/L		U									
ENDOSULFAN II	.2 UG/L		R	.1 UG/L		U									
ENDOSULFAN SULFATE	.2 UG/L		R	.1 UG/L		U									
ENDOSULFAN-I	.1 UG/L		R	.05 UG/L		U									
ENDRIN	.2 UG/L		R	.1 UG/L		U									
ENDRIN KETONE	.2 UG/L		R	.1 UG/L		U									
GAMMA-BHC (LINDANE)	.1 UG/L		R	.05 UG/L		U									
GAMMA-CHLORDANE	1 UG/L		R	.5 UG/L		U									
HEPTACHLOR	.1 UG/L		R	.05 UG/L		U									
HEPTACHLOR EPOXIDE	.1 UG/L		R	.05 UG/L		U									
METHOXYCHLOR	1 UG/L		R	.5 UG/L		U									
TOXAPHENE	2 UG/L		R	1 UG/L		U									
RADIONUCLIDES															
URANIUM-238							83.8 PCI/L	11.2	J				239 PCI/L	35	-
URANIUM, TOTAL							252 UG/L	34	J				716.15794 PCI/L	35	NV

SAMPLE NUMBER:	064090			064090			099645			004361			004361		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-NA			F-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-234							64.3 PCI/L	8.8	J				131 PCI/L	20	-
THORIUM-230				1 PCI/L		R							1.38 PCI/L	.54	-
RADIUM-226				1 PCI/L		U	1.83 PCI/L	.48	-				1 PCI/L	.23	U
LEAD-210				3 PCI/L	1.74	UJ	3 PCI/L		R						
POLONIUM-210				1.2 PCI/L		UJ									
URANIUM-235/236							6.9 PCI/L	1.56	J				8.46 PCI/L	2.36	-
THORIUM-232				1 PCI/L		R							1.53 PCI/L	.57	-
THORIUM, TOTAL				3.9 UG/L		R							4.92 UG/L	3.36	-
RADIUM-228				3 PCI/L		U	3 PCI/L		UJ				3.88 PCI/L	1.2	-
THORIUM-228				1 PCI/L		R							1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		UJ
PLUTONIUM-239/240													1 PCI/L		UJ
PLUTONIUM-238													1 PCI/L		UJ
TECHNETIUM-99													39 PCI/L		R
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													20 PCI/L		UJ
ACTINIUM-227				1 PCI/L		R									
PROTACTINIUM-231				269 PCI/L		R	228 PCI/L		UJ						
RADIUM-224				19 PCI/L		R	17 PCI/L		UJ						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				50 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		U									
2,4-DINITROPHENOL				50 UG/L		U									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				50 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				20 UG/L		UJ									
3-NITROANILINE				50 UG/L		UJ									
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				50 UG/L		UJ									

SAMPLE NUMBER:	064090			064090			099645			004361			004361		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-NA			F-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-NITROPHENOL				50 UG/L		U									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		U									
BENZO(K)FLUORANTHENE				10 UG/L		U									
BENZOIC ACID				50 UG/L		UJ									
BENZYL ALCOHOL				10 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		U									
DIBENZO(A,H)ANTHRACENE				10 UG/L		U									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		U									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U									
HEXACHLOROETHANE				10 UG/L		UJ									
INDENO(1,2,3-CD)PYRENE				10 UG/L		U									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				50 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		U							.47 MG/L		
PYRENE				10 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		U							5 UG/L		U
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U							5 UG/L		U
1,1,2-TRICHLOROETHANE				5 UG/L		U							5 UG/L		U

SAMPLE NUMBER:	064090			064090			099645			004361			004361		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-NA			F-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHANE				5 UG/L		U							5 UG/L		U
1,1-DICHLOROETHENE				5 UG/L		U							5 UG/L		U
1,2-DICHLOROETHANE				5 UG/L		U							5 UG/L		UJ
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U							5 UG/L		U
1,2-DICHLOROPROPANE				5 UG/L		U							5 UG/L		U
2-BUTANONE				10 UG/L		UJ							10 UG/L		U
2-HEXANONE				10 UG/L		UJ							10 UG/L		U
4-METHYL-2-PENTANONE				10 UG/L		U							10 UG/L		U
ACETONE				10 UG/L		U							25 UG/L		UJ
BENZENE				5 UG/L		UJ							5 UG/L		UJ
BROMODICHLOROMETHANE				5 UG/L		U							5 UG/L		U
BROMOFORM				5 UG/L		U							5 UG/L		U
BROMOMETHANE				10 UG/L		U							10 UG/L		UJ
CARBON DISULFIDE				5 UG/L		U							5 UG/L		U
CARBON TETRACHLORIDE				5 UG/L		U							5 UG/L		U
CHLOROBENZENE				5 UG/L		UJ							5 UG/L		U
CHLOROETHANE				10 UG/L		U							10 UG/L		U
CHLOROFORM				5 UG/L		U							5 UG/L		U
CHLOROMETHANE				10 UG/L		UJ							10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE				5 UG/L		U							5 UG/L		U
DIBROMOCHLOROMETHANE				5 UG/L		U							5 UG/L		U
ETHYLBENZENE				5 UG/L		UJ							5 UG/L		U
METHYLENE CHLORIDE				5 UG/L		U							5 UG/L		UJ
STYRENE				5 UG/L		UJ							5 UG/L		U
TETRACHLOROETHENE				5 UG/L		U							5 UG/L		U
TOLUENE				5 UG/L		U							5 UG/L		UJ
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U							5 UG/L		U
TRICHLOROETHENE				5 UG/L		U							5 UG/L		U
VINYL ACETATE				10 UG/L		U							10 UG/L		U
VINYL CHLORIDE				10 UG/L		U							10 UG/L		U
XYLENES, TOTAL				5 UG/L		UJ							5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	004361	GW930112-9	GW930112-9	GW930112-9	GW930112-9
TASK:	3.2.4	RCRA	RCRA	RCRA	RCRA
LAB:	IT	CORE	FERMCO Laboratory	NET	NET
WELL OR BORING NUMBER:	1643	1643	1643	1643	1643
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-JAN-91	12-JAN-93	12-JAN-93	12-JAN-93	12-JAN-93
NORTH COORDINATE:	481890.76	481890.76	481890.76	481890.76	481890.76
EAST COORDINATE:	1378724.03	1378724.03	1378724.03	1378724.03	1378724.03
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	U-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													366 MG/L		NV
ALLYL CHLORIDE													5 UG/L		UNV
AMMONIA													.02 MG/L		UNV
BICARBONATE ALKALINITY													482 MG/L		NV
CARBONATE ALKALINITY													3 MG/L		UNV
CHLORIDE													80 MG/L		NV
FLUORIDE													.98 MG/L		NV
NITRATE													.02 MG/L		UNV
NITRITE, AS NITROGEN													.02 MG/L		UNV
PH													7.39 SU		NV
PHENOLS													.01 MG/L		UNV
PHOSPHORUS													.1 MG/L		UNV
SPECIFIC CONDUCTIVITY													1190 UMHOS/CM		NV
SULFATE													213 MG/L		NV
TOTAL DISSOLVED SOLIDS										738 MG/L		NV			
TOTAL ORGANIC CARBON													10 MG/L		NV
TOTAL ORGANIC HALIDES													.01 MG/L		UNV
TOTAL SOLIDS													827 MG/L		NV
INORGANICS															
ALUMINUM	41.8 MG/L		J							20 MG/L		UNV	1.11 MG/L		NV
ANTIMONY	.125 MG/L		J							.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC	.0173 MG/L		J							.005 MG/L		UNV	.0105 MG/L		NV
BARIUM	.452 MG/L		J							20 MG/L		UNV	20 MG/L		UNV
BERYLLIUM	.0039 MG/L		J							.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM	.0327 MG/L		J							.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	376 MG/L		J							147 MG/L		NV	147 MG/L		NV
CHROMIUM	.114 MG/L		J							.002 MG/L		UNV	.0046 MG/L		NV
COBALT	.0587 MG/L		J							.005 MG/L		UNV	.005 MG/L		UNV
COPPER	.103 MG/L		J							.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE	.00054 MG/L		UJ										.005 MG/L		UNV

SAMPLE NUMBER:	004361			GW930112-9			GW930112-9			GW930112-9			GW930112-9		
LAB:	IT			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	U-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	102 MG/L		J							.32 MG/L		NV	2.06 MG/L		NV
LEAD	.0324 MG/L		J							.003 MG/L		UNV	.003 MG/L		UNV
MAGNESIUM	147 MG/L		J							76.6 MG/L		NV	75.6 MG/L		NV
MANGANESE	1.68 MG/L		J							.023 MG/L		NV	.044 MG/L		NV
MERCURY	.0002 MG/L		UJ							.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.27 MG/L		UJ							.01 MG/L		UNV	.01 MG/L		UNV
NICKEL	.169 MG/L		J							.01 MG/L		NV	.019 MG/L		NV
POTASSIUM	9.36 MG/L		UJ										3.5 MG/L		NV
SELENIUM	.0031 MG/L		UJ							.005 MG/L		UNV	.005 MG/L		UNV
SILVER	.0378 MG/L		UJ							.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	38.3 MG/L		UJ										40 MG/L		NV
THALLIUM	.0133 MG/L		UJ							.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.111 MG/L		UJ							.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.243 MG/L		UJ							.02 MG/L		UNV	.02 MG/L		UNV
No sort code listed.															
1,2,3-TRICHLOROPROPANE													5 UG/L		UNV
1,2-DIBROMO-3-CHLOROPROPANE													2 UG/L		UNV
1,2-DIBROMOETHANE													2 UG/L		UNV
2-CHLORO-1,3-BUTADIENE													5 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACRYLONITRILE													50 UG/L		UNV
DICHLORODIFLUOROMETHANE													10 UG/L		UNV
ETHYL CYANIDE													20 UG/L		UNV
ETHYL METHACRYLATE													5 UG/L		UNV
IODOMETHANE													5 UG/L		UNV
METHACRYLONITRILE													5 UG/L		UNV
METHYL METHACRYLATE													5 UG/L		UNV
PENTACHLOROETHANE													5 UG/L		UNV
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
TRANS-1,4-DICHLORO-2-BUTENE													20 UG/L		UNV
RADIONUCLIDES															
URANIUM, TOTAL				125 UG/L		NV	110 UG/L		NV						
THORIUM-230				.3 PCI/L	.1	NV									
RADIUM-226				1 PCI/L	.3	UNV									
THORIUM-232				.2 PCI/L	.1	UNV									
THORIUM, TOTAL				1.8 UG/L		NV									
RADIUM-228				3 PCI/L	.9	UNV									
THORIUM-228				.2 PCI/L	.1	UNV									
STRONTIUM-90				1 PCI/L	.5	UNV									
GROSS ALPHA				51.5 PCI/L	8.3	NV									
GROSS BETA				42.5 PCI/L	6.5	NV									

SAMPLE NUMBER:	004361			GW930112-9			GW930112-9			GW930112-9			GW930112-9		
LAB:	IT			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	U-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
CUMENE													1 UG/L		UNV
VOLATILES															
1,1,1,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													10 UG/L		UNV
2-HEXANONE													10 UG/L		UNV
4-METHYL-2-PENTANONE													10 UG/L		UNV
ACETONE													10 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													5 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													10 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													10 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													10 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
TRICHLOROFLUOROMETHANE													1 UG/L		UNV
VINYL ACETATE													10 UG/L		UNV
VINYL CHLORIDE													5 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930413-10	GW930413-10	GW930413-10	GW930413-10	004405
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.2.4
LAB:	CORE	CORE	NET	NET	IT
WELL OR BORING NUMBER:	1643	1643	1643	1643	1643
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-APR-93	13-APR-93	13-APR-93	13-APR-93	13-JUL-91
NORTH COORDINATE:	481890.76	481890.76	481890.76	481890.76	481890.76
EAST COORDINATE:	1378724.03	1378724.03	1378724.03	1378724.03	1378724.03
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										468 MG/L		-			
AMMONIA										.02 MG/L		UR			
BICARBONATE ALKALINITY										604 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										83 MG/L		-			
FLUORIDE										.98 MG/L		-			
NITRATE/NITRITE										.02 MG/L		U			
PH										7.26 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.1 MG/L		UR			
SPECIFIC CONDUCTIVITY										1260 UMHOS/CM		-			
SULFATE										178 MG/L		-			
TOTAL DISSOLVED SOLIDS							879 MG/L		-						
TOTAL KJELDAHL NITROGEN										.16 MG/L		-			
TOTAL ORGANIC CARBON										20 MG/L		J			
TOTAL ORGANIC HALOGENS										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.16 MG/L		-			
TOTAL SOLIDS										906 MG/L		-			
INORGANICS															
ALUMINUM							.0576 MG/L		U	.3 MG/L		-	.178 MG/L		-
ANTIMONY							.045 MG/L		U	.045 MG/L		U	.0756 MG/L		J
ARSENIC							.0026 MG/L		-	.0032 MG/L		-	.002 MG/L		UJ
BARIUM							.0475 MG/L		-	.0505 MG/L		-	.0597 MG/L		R
BERYLLIUM							.001 MG/L		U	.001 MG/L		U	.002 MG/L		U
CADMIUM							.003 MG/L		UJ	.003 MG/L		U	.0108 MG/L		-
CALCIUM							137 MG/L		-	138 MG/L		-	128 MG/L		-
CHROMIUM							.005 MG/L		U	.005 MG/L		U	.0363 MG/L		-
COBALT							.0088 MG/L		-	.008 MG/L		U	.01 MG/L		U
COPPER							.0088 MG/L		U	.0051 MG/L		U	.0135 MG/L		-
CYANIDE							.01 MG/L		UJ	.01 MG/L		UJ			

SAMPLE NUMBER:	GW930413-10			GW930413-10			GW930413-10			GW930413-10			004405		
LAB:	CORE			CORE			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON							.458 MG/L		-	.431 MG/L		-	.0678 MG/L		-
LEAD							.001 MG/L		UJ	.001 MG/L		UJ	.0032 MG/L		J
MAGNESIUM							71.4 MG/L		-	71.3 MG/L		-	66.2 MG/L		-
MANGANESE							.009 MG/L		-	.015 MG/L		-	.231 MG/L		-
MERCURY							.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM													.0245 MG/L		-
NICKEL							.02 MG/L		U	.02 MG/L		U	.0483 MG/L		-
POTASSIUM							2.84 MG/L		-	2.41 MG/L		-	3.15 MG/L		-
SELENIUM							.001 MG/L		U	.001 MG/L		UJ	.002 MG/L		UJ
SILICON													7.12 MG/L		-
SILVER							.007 MG/L		U	.007 MG/L		U	.0308 MG/L		J
SODIUM							35.8 MG/L		-	36.5 MG/L		-	45.3 MG/L		J
THALLIUM							.002 MG/L		U	.01 MG/L		U	.002 MG/L		UJ
VANADIUM							.003 MG/L		U	.003 MG/L		U	.0207 MG/L		-
ZINC							.0088 MG/L		U	.0081 MG/L		U	.029 MG/L		J
RADIONUCLIDES															
URANIUM-238	33.1 PCI/L	5.3	J	27.1 PCI/L	2.2	J									
URANIUM, TOTAL	92.8 UG/L	6.5	-	81.8 UG/L	5.7	J									
URANIUM-234	18.4 PCI/L	3.1	J	14.6 PCI/L	1.3	J									
THORIUM-230	.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ									
RADIUM-226	1 PCI/L	.2	UJ	1 PCI/L	.4	UJ									
URANIUM-235/236	1.5 PCI/L	.6	J	.4 PCI/L	.2	J									
THORIUM-232	.2 PCI/L	.1	UJ	.3 PCI/L	.1	UJ									
RADIUM-228	3 PCI/L	1.2	U	3 PCI/L	1.1	U									
THORIUM-228	.2 PCI/L	.1	UJ	.3 PCI/L	.1	UJ									
TECHNETIUM-99	15 PCI/L	7.9	U	15 PCI/L	6.8	UJ									
GROSS ALPHA	40.3 PCI/L	6.4	NV	55 PCI/L	6.6	NV									
GROSS BETA	32.6 PCI/L	4.6	NV	41.3 PCI/L	4.8	NV									
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		UJ			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			

SAMPLE NUMBER:	GW930413-10			GW930413-10			GW930413-10			GW930413-10			004405		
LAB:	CORE			CORE			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	004405			004406			004406			004342			004342		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1643			1643			1643			1643			1643		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-JUL-91			13-JUL-91			13-JUL-91			20-SEP-90			20-SEP-90		
NORTH COORDINATE:	481890.76			481890.76			481890.76			481890.76			481890.76		
EAST COORDINATE:	1378724.03			1378724.03			1378724.03			1378724.03			1378724.03		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			F-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UNV				.1 MG/L		UNV						
CHLORIDE	53.4 MG/L		NV				188 MG/L		NV						
FLUORIDE	1 MG/L		NV				8 MG/L		NV						
NITRATE	15.5 MG/L		NV				17.9 MG/L		NV						
PHENOLS	.01 MG/L		UNV				.01 MG/L		UNV						
PHOSPHORUS	2.79 MG/L		NV				.68 MG/L		NV						
SULFATE	130 MG/L		NV				4.93 MG/L		NV						
TOTAL DISSOLVED SOLIDS													939 MG/L		
TOTAL ORGANIC CARBON	1.64 MG/L		NV				17.7 MG/L		NV						
TOTAL ORGANIC HALIDES	.01 MG/L		UNV				.11 MG/L		NV						
TOTAL ORGANIC NITROGEN	.883 MG/L		NV				.202 MG/L		NV						
INORGANICS															
ALUMINUM	6.4 MG/L		-	.189 MG/L		-	3.11 MG/L		-	.06 MG/L		U			
ANTIMONY	.152 MG/L		J	.0574 MG/L		J	.0604 MG/L		J	.03 MG/L		U			
ARSENIC	.0115 MG/L		J	.188 MG/L		J	.249 MG/L		J	.0223 MG/L		-			
BARIUM	.0591 MG/L		R	.0557 MG/L		R	.0573 MG/L		R	.0864 MG/L		-			
BERYLLIUM	.0028 MG/L		-	.002 MG/L		U	.002 MG/L		U	.002 MG/L		U			
CADMIUM	.0262 MG/L		-	.0084 MG/L		-	.0085 MG/L		-	.005 MG/L		-			
CALCIUM	526 MG/L		-	60.5 MG/L		-	75.8 MG/L		-	105 MG/L		-			
CHROMIUM	.103 MG/L		-	.025 MG/L		-	.0305 MG/L		-	.021 MG/L		-			
COBALT	.031 MG/L		-	.0105 MG/L		-	.0141 MG/L		-	.01 MG/L		U			
COPPER	.0664 MG/L		-	.0101 MG/L		-	.0142 MG/L		-	.01 MG/L		U			
CYANIDE	.002 MG/L		U												
IRON	21.6 MG/L		-	.078 MG/L		-	5.26 MG/L		-	.429 MG/L		-			
LEAD	.0221 MG/L		J	.002 MG/L		UJ	.0042 MG/L		J	.002 MG/L		U			
MAGNESIUM	186 MG/L		-	50.3 MG/L		-	55.7 MG/L		-	35.9 MG/L		-			
MANGANESE	1.38 MG/L		-	.276 MG/L		-	.448 MG/L		-	1.8 MG/L		-			
MERCURY	.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U			
MOLYBDENUM	.0447 MG/L		-	.186 MG/L		-	.179 MG/L		-	.01 MG/L		U			
NICKEL	.0971 MG/L		-	.0371 MG/L		-	.0469 MG/L		-	.0238 MG/L		-			

000208

SAMPLE NUMBER:	004405			004406			004406			004342			004342		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			F-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM	4.2 MG/L		-	39 MG/L		-	35.8 MG/L		-	.325 MG/L		-			
SELENIUM	.002 MG/L		UJ	.01 MG/L		UJ	.01 MG/L		UJ	.002 MG/L		UJ			
SILICON	14.3 MG/L		-	5.22 MG/L		-	9.28 MG/L		-						
SILVER	.0754 MG/L		-	.0185 MG/L		J	.0203 MG/L		J	.0131 MG/L		-			
SODIUM	27.4 MG/L		J	471 MG/L		-	464 MG/L		-	113 MG/L		-			
THALLIUM	.002 MG/L		UJ	.002 MG/L		UJ	.01 MG/L		UJ	.002 MG/L		U			
VANADIUM	.0741 MG/L		-	.0157 MG/L		-	.0216 MG/L		-	.0102 MG/L		-			
ZINC	.0829 MG/L		J	.0286 MG/L		J	.17 MG/L		J	.0437 MG/L		-			
RADIONUCLIDES															
URANIUM-238	76.5 PCI/L	9.9	NV				74.2 PCI/L	9.4	NV						
URANIUM, TOTAL	146 UG/L	22	NV				179 UG/L	26	NV						
URANIUM-234	41.1 PCI/L	5.6	NV				66 PCI/L	8.5	NV						
THORIUM-230	4.06 PCI/L	1.07	NV				1.63 PCI/L	.41	NV						
RADIUM-226	1 PCI/L		UNV				3.15 PCI/L	.58	NV						
URANIUM-235/236	6.03 PCI/L	1.28	NV				8.5 PCI/L	1.55	NV						
THORIUM-232	2.38 PCI/L	.77	NV				1 PCI/L		UNV						
THORIUM, TOTAL	21.5 UG/L	6.9	NV				2.1 UG/L		UNV						
RADIUM-228	3 PCI/L		UNV				3 PCI/L		UNV						
THORIUM-228	4.34 PCI/L	1.12	NV				1.75 PCI/L	.43	NV						
NEPTUNIUM-237	1 PCI/L		UNV				1 PCI/L		UNV						
PLUTONIUM-239/240	1 PCI/L		UNV				1 PCI/L		UNV						
PLUTONIUM-238	1 PCI/L		UNV				1 PCI/L		UNV						
STRONTIUM-90	5 PCI/L		UNV				5 PCI/L		UNV						
TECHNETIUM-99	30 PCI/L		UNV				30 PCI/L		UNV						
RUTHENIUM-106	150 PCI/L		UNV				150 PCI/L		UNV						
CESIUM-137	20 PCI/L		UNV				20 PCI/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,1,2-TRICHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,1-DICHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,1-DICHLOROETHENE	5 UG/L		U				5 UG/L		U						
1,2-DICHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U				5 UG/L		U						
1,2-DICHLOROPROPANE	5 UG/L		U				5 UG/L		U						
2-BUTANONE	10 UG/L		R				10 UG/L		R						
2-HEXANONE	2 UG/L		J				10 UG/L		UJ						
4-METHYL-2-PENTANONE	10 UG/L		U				10 UG/L		U						
ACETONE	10 UG/L		UJ				10 UG/L		U						
BENZENE	5 UG/L		U				2 UG/L		J						
BROMODICHLOROMETHANE	5 UG/L		U				5 UG/L		U						
BROMOFORM	5 UG/L		U				5 UG/L		U						
BROMOMETHANE	10 UG/L		UJ				10 UG/L		UJ						

SAMPLE NUMBER:	004405			004406			004406			004342			004342		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			F-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON DISULFIDE	5 UG/L		U				5 UG/L		U						
CARBON TETRACHLORIDE	5 UG/L		U				5 UG/L		U						
CHLOROBENZENE	5 UG/L		U				5 UG/L		U						
CHLOROETHANE	10 UG/L		U				10 UG/L		U						
CHLOROFORM	5 UG/L		U				5 UG/L		U						
CHLOROMETHANE	10 UG/L		UJ				10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE	5 UG/L		U				5 UG/L		U						
DIBROMOCHLOROMETHANE	5 UG/L		U				5 UG/L		U						
ETHYLBENZENE	5 UG/L		U				5 UG/L		U						
METHYLENE CHLORIDE	5 UG/L		U				5 UG/L		U						
STYRENE	5 UG/L		U				5 UG/L		U						
TETRACHLOROETHENE	5 UG/L		U				5 UG/L		U						
TOLUENE	5 UG/L		U				5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U				5 UG/L		U						
TRICHLOROETHENE	5 UG/L		U				5 UG/L		U						
VINYL ACETATE	10 UG/L		U				10 UG/L		U						
VINYL CHLORIDE	10 UG/L		U				10 UG/L		U						
XYLENES, TOTAL	5 UG/L		U				5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	004342	004342	EMGW_SYSGEN_335	EMGW_SYSGEN_335	EMGW_SYSGEN_335
TASK:	3.2.4	3.2.4	GWMON	GWMON	GWMON
LAB:	IT	IT	NET	NET	WMCO
WELL OR BORING NUMBER:	1643	1643	1643	1643	1643
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-SEP-90	20-SEP-90	23-JUL-91	23-JUL-91	23-JUL-91
NORTH COORDINATE:	481890.76	481890.76	481890.76	481890.76	481890.76
EAST COORDINATE:	1378724.03	1378724.03	1378724.03	1378724.03	1378724.03
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	U-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	481 MG/L		-							499 MG/L		NV			
ALLYL CHLORIDE										20 UG/L		UNV			
AMMONIA	1.02 MG/L		-							.02 MG/L		UNV			
CHLORIDE	147 MG/L		-							81 MG/L		NV			
FLUORIDE	.22 MG/L		-							.95 MG/L		NV			
NITRATE	.19 MG/L		J							.03 MG/L		NV			
NITRATE, AS NITROGEN										.03 MG/L		NV			
NITRITE, AS NITROGEN	.1 MG/L		U												
PH	6.9 SU		-							7.11 SU		NV			
PHENOLS	.01 MG/L		U							.005 MG/L		UNV			
PHOSPHORUS	.099 MG/L		-							.7 MG/L		NV			
SPECIFIC CONDUCTIVITY	1530 UMHOS/CM		-							1330 UMHOS/CM		NV			
SULFATE	213 MG/L		J							170 MG/L		NV			
TOTAL DISSOLVED SOLIDS										850 MG/L		NV			
TOTAL ORGANIC CARBON	8.56 MG/L		-							19 MG/L		NV			
TOTAL ORGANIC HALIDES	.032 MG/L		-												
TOTAL ORGANIC HALOGENS										.04 MG/L		NV			
INORGANICS															
ALUMINUM				.226 MG/L		-									
ANTIMONY				.03 MG/L		U	.02 MG/L		UNV	.02 MG/L		UNV			
ARSENIC				.0171 MG/L		-	.0054 MG/L		NV	.0099 MG/L		NV			
BARIUM				.0917 MG/L		-	.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM				.002 MG/L		U	.05 MG/L		UNV	.05 MG/L		UNV			
CADMIUM				.0054 MG/L		-	.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM				111 MG/L		-	131 MG/L		NV	175 MG/L		NV			
CHROMIUM				.0213 MG/L		-				.0027 MG/L		NV			
COBALT				.01 MG/L		U	.005 MG/L		UNV	.005 MG/L		UNV			
COPPER				.0332 MG/L		-	.02 MG/L		UNV	.022 MG/L		NV			
CYANIDE										.005 MG/L		UNV			
IRON				.802 MG/L		-									

SAMPLE NUMBER:	004342			004342			EMGW_SYSGEN_335			EMGW_SYSGEN_335			EMGW_SYSGEN_335		
LAB:	IT			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			U-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD				.0033 MG/L		-	.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM				38.1 MG/L		-									
MANGANESE				1.84 MG/L		-									
MERCURY				.0002 MG/L		U	.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM				.01 MG/L		U									
NICKEL				.0312 MG/L		-	.01 MG/L		UNV	.018 MG/L		NV			
POTASSIUM				.337 MG/L		-									
SELENIUM				.002 MG/L		UJ	.005 MG/L		UNV	.005 MG/L		UNV			
SILVER				.0122 MG/L		-	.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM				116 MG/L		-									
THALLIUM				.002 MG/L		U	.01 MG/L		UNV	.01 MG/L		UNV			
TIN							2 MG/L		UNV	2 MG/L		UNV			
VANADIUM				.01 MG/L		U	.05 MG/L		UNV	.05 MG/L		UNV			
ZINC				.0368 MG/L		-	.03 MG/L		NV	.038 MG/L		NV			
No sort code listed.															
1,2,3-TRICHLOROPROPANE										1 UG/L		UNV			
1,2,4,5-TETRACHLOROBENZENE										4 UG/L		UNV			
1,2-DIBROMO-3-CHLOROPROPANE										20 UG/L		UNV			
1,2-DIBROMOETHANE										20 UG/L		UNV			
1,3,5-TRINITROBENZENE										15 UG/L		UNV			
1,3-DINITROBENZENE										15 UG/L		UNV			
1,4-NAPHTHOQUINONE										15 UG/L		UNV			
1-NAPHTHYLAMINE										15 UG/L		UNV			
2,3,4,6-TETRACHLOROPHENOL										4 UG/L		UNV			
2,6-DICHLOROPHENOL										4 UG/L		UNV			
2-ACETYLAMINOFLUORENE										15 UG/L		UNV			
2-CHLORO-1,3-BUTADIENE										20 UG/L		UNV			
2-NAPHTHYLAMINE										4 UG/L		UNV			
2-PICOLINE										15 UG/L		UNV			
3,3'-DIMETHYLBENZIDINE										15 UG/L		UNV			
3-METHYLCHOLANTHRENE										15 UG/L		UNV			
3-METHYLPHENOL										4 UG/L		UNV			
4-AMINOBIPHENYL										15 UG/L		UNV			
4-NITROQUINOLINE-1-OXIDE										15 UG/L		UNV			
5-NITRO-O-TOLUIDINE										15 UG/L		UNV			
7,12-DIMETHYLBENZ(A)ANTHRAC ENE										15 UG/L		UNV			
A,A-DIMETHYLPHENETHYLAMINE										15 UG/L		UNV			
ACETOPHENONE										15 UG/L		UNV			
ACROLEIN										20 UG/L		UNV			
ACROLEIN										20 UG/L		UNV			
ACRYLONITRILE										20 UG/L		UNV			
ANILINE										4 UG/L		UNV			
ARAMITE										15 UG/L		UNV			
DIALLATE										15 UG/L		UNV			

SAMPLE NUMBER:	004342	004342	EMGW_SYSGEN_335	EMGW_SYSGEN_335	EMGW_SYSGEN_335
LAB:	IT	IT	NET	NET	WMCO
SUFFIX/FILTERFLAG:	NONE-UNF	U-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
DIBROMOMETHANE										1 UG/L		UNV			
DICHLORODIFLUOROMETHANE										1 UG/L		UNV			
DIPHENYLAMINE										15 UG/L		UNV			
ETHYL CYANIDE										20 UG/L		UNV			
ETHYL METHACRYLATE										20 UG/L		UNV			
ETHYL METHANESULFONATE										15 UG/L		UNV			
HEXACHLOROPHENE										4 UG/L		UNV			
HEXACHLOROPROPENE										4 UG/L		UNV			
IODOMETHANE										20 UG/L		UNV			
ISODRIN										4 UG/L		UNV			
ISOSAFROLE										15 UG/L		UNV			
KEPONE										4 UG/L		UNV			
METHACRYLONITRILE										20 UG/L		UNV			
METHAPYRILENE										15 UG/L		UNV			
METHYL METHACRYLATE										20 UG/L		UNV			
METHYL METHANESULFONATE										15 UG/L		UNV			
N-NITROSODI-N-BUTYLAMINE										4 UG/L		UNV			
N-NITROSODIETHYLAMINE										4 UG/L		UNV			
N-NITROSOMETHYLETHYLAMINE										4 UG/L		UNV			
N-NITROSOMORPHOLINE										15 UG/L		UNV			
N-NITROSOPIPERIDINE										15 UG/L		UNV			
N-NITROSOPYRROLIDINE										15 UG/L		UNV			
O-TOLUIDINE										15 UG/L		UNV			
P-DIMETHYLAMINOAZOBENZENE										15 UG/L		UNV			
P-PHENYLENEDIAMINE										15 UG/L		UNV			
PENTACHLOROBENZENE										4 UG/L		UNV			
PENTACHLOROETHANE										20 UG/L		UNV			
PENTACHLORONITROBENZENE										4 UG/L		UNV			
PHENACETIN										4 UG/L		UNV			
PRONAMIDE										15 UG/L		UNV			
SAFROLE										15 UG/L		UNV			
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE										15 UG/L		UNV			
DISULFOTON										15 UG/L		UNV			
FAMPHUR										15 UG/L		UNV			
METHYL PARATHION										15 UG/L		UNV			
PARATHION										15 UG/L		UNV			
PHORATE										15 UG/L		UNV			
THIONAZIN										15 UG/L		UNV			
PESTICIDES															
4,4'-DDD										.2 UG/L		UNV			
4,4'-DDE										.2 UG/L		UNV			

SAMPLE NUMBER:	004342			004342			EMGW_SYSGEN_335			EMGW_SYSGEN_335			EMGW_SYSGEN_335		
LAB:	IT			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			U-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDT										.2 UG/L		UNV			
ALDRIN										.2 UG/L		UNV			
ALPHA-BHC										.2 UG/L		UNV			
AROCLOR-1016										.2 UG/L		UNV			
AROCLOR-1221										.2 UG/L		UNV			
AROCLOR-1232										.2 UG/L		UNV			
AROCLOR-1242										.2 UG/L		UNV			
AROCLOR-1248										.2 UG/L		UNV			
AROCLOR-1254										.2 UG/L		UNV			
AROCLOR-1260										.2 UG/L		UNV			
BETA-BHC										.2 UG/L		UNV			
CHLORDANE										.2 UG/L		UNV			
CHLOROBENZILATE										15 UG/L		UNV			
DELTA-BHC										.2 UG/L		UNV			
DIELDRIN										.2 UG/L		UNV			
ENDOSULFAN II										.2 UG/L		UNV			
ENDOSULFAN SULFATE										.2 UG/L		UNV			
ENDOSULFAN-I										.2 UG/L		UNV			
ENDRIN										.2 UG/L		UNV			
ENDRIN ALDEHYDE										.2 UG/L		UNV			
GAMMA-BHC (LINDANE)										.2 UG/L		UNV			
HEPTACHLOR										.2 UG/L		UNV			
HEPTACHLOR EPOXIDE										.2 UG/L		UNV			
SULFOTEP										15 UG/L		UNV			
TOXAPHENE										.5 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U												
URANIUM, TOTAL	1.98 UG/L	.21	-										220 UG/L		NV
URANIUM-234	1 PCI/L		U												
THORIUM-230	1 PCI/L		U												
RADIUM-226	1 PCI/L		UJ												
URANIUM-235/236	1 PCI/L		U												
THORIUM-232	1 PCI/L		U												
THORIUM, TOTAL	3.3 UG/L		U												
RADIUM-228	3 PCI/L		U												
THORIUM-228	1 PCI/L		U												
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		UJ												
PLUTONIUM-238	1 PCI/L		UJ												
STRONTIUM-90	15.9 PCI/L	.23	J												
TECHNETIUM-99	30 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												

000215

SEMIVOLATILES

1,2,4-TRICHLOROBENZENE 4 UG/L UNV

SAMPLE NUMBER:	004342			004342			EMGW_SYSGEN_335			EMGW_SYSGEN_335			EMGW_SYSGEN_335		
LAB:	IT			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			U-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,3-DICHLOROBENZENE										4 UG/L		UNV			
1,4-DICHLOROBENZENE										4 UG/L		UNV			
2,4,5-TRICHLOROPHENOL										4 UG/L		UNV			
2,4,6-TRICHLOROPHENOL										4 UG/L		UNV			
2,4-DICHLOROPHENOL										4 UG/L		UNV			
2,4-DIMETHYLPHENOL										4 UG/L		UNV			
2,4-DINITROPHENOL										4 UG/L		UNV			
2,4-DINITROTOLUENE										15 UG/L		UNV			
2,6-DINITROTOLUENE										15 UG/L		UNV			
2-CHLORONAPHTHALENE										4 UG/L		UNV			
2-CHLOROPHENOL										4 UG/L		UNV			
2-METHYLNAPHTHALENE										4 UG/L		UNV			
2-METHYLPHENOL										4 UG/L		UNV			
2-NITROANILINE										15 UG/L		UNV			
2-NITROPHENOL										4 UG/L		UNV			
3,3'-DICHLOROBENZIDINE										15 UG/L		UNV			
3-NITROANILINE										15 UG/L		UNV			
4,6-DINITRO-2-METHYLPHENOL										4 UG/L		UNV			
4-BROMOPHENYL PHENYL ETHER										15 UG/L		UNV			
4-CHLORO-3-METHYLPHENOL										4 UG/L		UNV			
4-CHLOROPHENYLPHENYL ETHER										15 UG/L		UNV			
4-NITROANILINE										15 UG/L		UNV			
4-NITROPHENOL										4 UG/L		UNV			
ACENAPHTHENE										4 UG/L		UNV			
ACENAPHTHYLENE										4 UG/L		UNV			
ANTHRACENE										4 UG/L		UNV			
BENZO(A)ANTHRACENE										4 UG/L		UNV			
BENZO(A)PYRENE										4 UG/L		UNV			
BENZO(B)FLUORANTHENE										4 UG/L		UNV			
BENZO(G,H,I)PERYLENE										4 UG/L		UNV			
BENZO(K)FLUORANTHENE										4 UG/L		UNV			
BENZYL ALCOHOL										40 UG/L		UNV			
BIS(2-CHLOROETHOXY)METHANE										15 UG/L		UNV			
BIS(2-CHLOROETHYL)ETHER										15 UG/L		UNV			
BIS(2-CHLOROISOPROPYL) ETHER										4 UG/L		UNV			
BIS(2-ETHYLHEXYL)PHTHALATE										4 UG/L		UNV			
BUTYL BENZYL PHTHALATE										4 UG/L		UNV			
CHRYSENE										4 UG/L		UNV			
DI-N-BUTYL PHTHALATE										4 UG/L		UNV			
DI-N-OCTYL PHTHALATE										4 UG/L		UNV			
DIBENZO(A,H)ANTHRACENE										4 UG/L		UNV			
DIBENZOFURAN										4 UG/L		UNV			

SAMPLE NUMBER:	004342			004342			EMGW_SYSGEN_335			EMGW_SYSGEN_335			EMGW_SYSGEN_335		
LAB:	IT			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			U-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIETHYL PHTHALATE										4 UG/L		UNV			
DIMETHYL PHTHALATE										4 UG/L		UNV			
FLUORANTHENE										4 UG/L		UNV			
FLUORENE										4 UG/L		UNV			
HEXACHLOROBENZENE										4 UG/L		UNV			
HEXACHLOROBUTADIENE										4 UG/L		UNV			
HEXACHLOROCYCLOPENTADIENE										4 UG/L		UNV			
HEXACHLOROETHANE										4 UG/L		UNV			
INDENO(1,2,3-CD)PYRENE										4 UG/L		UNV			
ISOPHORONE										4 UG/L		UNV			
N-NITROSO-DI-N-PROPYLAMINE										4 UG/L		UNV			
N-NITROSODIMETHYLAMINE										4 UG/L		UNV			
N-NITROSODIPHENYLAMINE										4 UG/L		UNV			
NAPHTHALENE										4 UG/L		UNV			
NITROBENZENE										4 UG/L		UNV			
P-CHLOROANILINE										4 UG/L		UNV			
PENTACHLOROPHENOL										4 UG/L		UNV			
PHENANTHRENE										4 UG/L		UNV			
PHENOL	.01 MG/L		U							4 UG/L		UNV			
PYRENE										4 UG/L		UNV			
PYRIDINE										4 UG/L		UNV			
VOLATILES															
1,1,1,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,1-TRICHLOROETHANE	5 UG/L		U							1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U							1 UG/L		UNV			
1,1,2-TRICHLOROETHANE	5 UG/L		U							1 UG/L		UNV			
1,1-DICHLOROETHANE	10 UG/L		-							1 UG/L		UNV			
1,1-DICHLOROETHENE	3 UG/L		J							1 UG/L		UNV			
1,2-DICHLOROETHANE	9 UG/L		-							1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		-												
1,2-DICHLOROPROPANE	5 UG/L		U							1 UG/L		UNV			
2-BUTANONE	5 UG/L		U							2 UG/L		UNV			
2-HEXANONE	10 UG/L		UJ							2 UG/L		UNV			
4-METHYL-2-PENTANONE	10 UG/L		UJ							2 UG/L		UNV			
ACETONE	10 UG/L		U							2 UG/L		UNV			
BENZENE	5 UG/L		-							1 UG/L		UNV			
BROMODICHLOROMETHANE	5 UG/L		U							1 UG/L		UNV			
BROMOFORM	5 UG/L		UJ							1 UG/L		UNV			
BROMOMETHANE	10 UG/L		UJ							1 UG/L		UNV			
CARBON DISULFIDE	5 UG/L		U							1 UG/L		UNV			
CARBON TETRACHLORIDE	5 UG/L		U							1 UG/L		UNV			
CHLOROBENZENE	5 UG/L		UJ							1 UG/L		UNV			
CHLOROETHANE	25 UG/L		-							1 UG/L		UNV			
CHLOROFORM	5 UG/L		U							1 UG/L		UNV			
CHLOROMETHANE	10 UG/L		UJ							1 UG/L		UNV			

SAMPLE NUMBER:	004342			004342			EMGW_SYSGEN_335			EMGW_SYSGEN_335			EMGW_SYSGEN_335		
LAB:	IT			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			U-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CIS-1,3-DICHLOROPROPENE	5 UG/L		U							1 UG/L		UNV			
DIBROMOCHLOROMETHANE	5 UG/L		U							1 UG/L		UNV			
ETHYLBENZENE	5 UG/L		UJ							1 UG/L		UNV			
METHYLENE CHLORIDE	5 UG/L		U							1 UG/L		UNV			
STYRENE	5 UG/L		UJ							1 UG/L		UNV			
T-1,4-DICHLORO-2-BUTENE										20 UG/L		UNV			
TETRACHLOROETHENE	5 UG/L		U							1 UG/L		UNV			
TOLUENE	5 UG/L		U							1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE	5 UG/L		UJ							1 UG/L		UNV			
TRICHLOROETHENE	5 UG/L		U							1 UG/L		UNV			
TRICHLOROFLUOROMETHANE										1 UG/L		UNV			
VINYL ACETATE	10 UG/L		U							2 UG/L		UNV			
VINYL CHLORIDE	4 UG/L		J							1 UG/L		UNV			
XYLENES, TOTAL	5 UG/L		UJ							1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_336	EMGW_SYSGEN_336	EMGW_SYSGEN_336	070004	070004
TASK:	GWMON	GWMON	GWMON	50.03.04	50.03.04
LAB:	NET	NET	WMCO	IT	IT
WELL OR BORING NUMBER:	1643	1643	1643	1643	1643
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-OCT-91	23-OCT-91	23-OCT-91	28-JAN-92	28-JAN-92
NORTH COORDINATE:	481890.76	481890.76	481890.76	481890.76	481890.76
EAST COORDINATE:	1378724.03	1378724.03	1378724.03	1378724.03	1378724.03
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	F-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				491 MG/L		NV									
AMMONIA				.07 MG/L		NV									
CHLORIDE				63 MG/L		NV									
FLUORIDE				1.07 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PH				7.15 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.45 MG/L		NV									
SPECIFIC CONDUCTIVITY				1270 UMHOS/CM		NV									
SULFATE				192 MG/L		NV									
TOTAL DISSOLVED SOLIDS				674 MG/L		NV							1756 MG/L		
TOTAL ORGANIC CARBON				27 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	8.07 MG/L		NV				.004 MG/L		-			
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV				.0496 MG/L		J			
ARSENIC	.005 MG/L		UNV	.0063 MG/L		NV				.0042 MG/L		J			
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV				.0611 MG/L		-			
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV				.002 MG/L		U			
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV				.0094 MG/L		J			
CALCIUM	117 MG/L		NV	227 MG/L		NV				147 MG/L		-			
CHROMIUM				.0209 MG/L		NV				.0384 MG/L		J			
COBALT	.005 MG/L		UNV	.006 MG/L		NV				.01 MG/L		U			
COPPER	.02 MG/L		UNV	.034 MG/L		NV				.0104 MG/L		-			
CYANIDE				.005 MG/L		UNV									
IRON	.18 MG/L		NV	19.5 MG/L		NV				.0396 MG/L		-			
LEAD	.003 MG/L		UNV	.0069 MG/L		NV				.002 MG/L		UJ			
MAGNESIUM	58 MG/L		NV	97 MG/L		NV				75 MG/L		-			
MANGANESE	.202 MG/L		NV	.503 MG/L		NV				.0613 MG/L		-			
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_336			EMGW_SYSGEN_336			EMGW_SYSGEN_336			070004			070004		
LAB:	NET			NET			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			F-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.01 MG/L		UNV	.012 MG/L		NV				.014 MG/L		-			
NICKEL	.01 MG/L		UNV	.054 MG/L		NV				.0367 MG/L		-			
POTASSIUM	2.7 MG/L		NV	5.2 MG/L		NV				2.68 MG/L		-			
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV				.015 MG/L		U			
SILVER	.001 MG/L		UNV	.001 MG/L		UNV				.0302 MG/L		R			
SODIUM	31.7 MG/L		NV	35.1 MG/L		NV				30.2 MG/L		-			
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV				.002 MG/L		UJ			
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV				.0209 MG/L		-			
ZINC	.045 MG/L		NV	.07 MG/L		NV				.0181 MG/L		-			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM, TOTAL							177 UG/L		NV				141 UG/L	20	-
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_336			EMGW_SYSGEN_336			EMGW_SYSGEN_336			070004			070004		
LAB:	NET			NET			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			F-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	070004	070004	004362	004362	004362
TASK:	50.03.04	50.03.04	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1643	1643	1644	1644	1644
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JAN-92	28-JAN-92	09-JAN-91	09-JAN-91	09-JAN-91
NORTH COORDINATE:	481890.76	481890.76	481616.21	481616.21	481616.21
EAST COORDINATE:	1378724.03	1378724.03	1378641.29	1378641.29	1378641.29
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	U-UNF	F-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	500 MG/L		J										347.1 MG/L		J
AMMONIA	.13 MG/L		-												
CHLORIDE	57 MG/L		-										731.95 MG/L		-
FLUORIDE	.99 MG/L		-										.37 MG/L		-
NITRATE	.1 MG/L		U										.16 MG/L		J
NITRITE, AS NITROGEN													.094 MG/L		-
PH	7.49 SU		-										7.42 SU		-
PHENOLS	.01 MG/L		U										.02 MG/L		-
PHOSPHORUS	1.46 MG/L		-										.227 MG/L		-
SPECIFIC CONDUCTIVITY	1060 UMHOS/CM		J										3320 UMHOS/CM		-
SULFATE	199 MG/L		-										6.57 MG/L		-
TOTAL DISSOLVED SOLIDS										1952 MG/L		-			
TOTAL ORGANIC CARBON	1.15 MG/L		J										24.35 MG/L		-
TOTAL ORGANIC HALIDES	.031 MG/L		U										.2073 MG/L		J
TOTAL ORGANIC NITROGEN													7.13 MG/L		-
INORGANICS															
ALUMINUM				52 MG/L		-	.06 MG/L		UJ						
ANTIMONY				.129 MG/L		J	.03 MG/L		UJ						
ARSENIC				.0077 MG/L		J	.241 MG/L		UJ						
BARIUM				.386 MG/L		-	.0295 MG/L		UJ						
BERYLLIUM				.0045 MG/L		-	.002 MG/L		UJ						
CADMIUM				.0217 MG/L		J	.002 MG/L		UJ						
CALCIUM				434 MG/L		-	7.94 MG/L		UJ						
CHROMIUM				.193 MG/L		-	.01 MG/L		UJ						
COBALT				.0495 MG/L		-	.01 MG/L		UJ						
COPPER				.101 MG/L		-	.01 MG/L		UJ						
CYANIDE				.002 MG/L		U									
IRON				81.3 MG/L		-	.535 MG/L		J						
LEAD				.0344 MG/L		J	.002 MG/L		UJ						
MAGNESIUM				170 MG/L		-	6.38 MG/L		UJ						

SAMPLE NUMBER:	070004			070004			004362			004362			004362		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			U-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE				1.44 MG/L		-	.0544 MG/L		UJ						
MERCURY				.0002 MG/L		U	.0002 MG/L		UJ						
MOLYBDENUM				.087 MG/L		-	.0142 MG/L		UJ						
NICKEL				.161 MG/L		-	.02 MG/L		UJ						
POTASSIUM				16.1 MG/L		-	27.8 MG/L		UJ						
SELENIUM				.003 MG/L		U	.002 MG/L		UJ						
SILVER				.0672 MG/L		-	.01 MG/L		UJ						
SODIUM				30.1 MG/L		-	463 MG/L		UJ						
THALLIUM				.002 MG/L		UJ	.002 MG/L		UJ						
VANADIUM				.154 MG/L		-	.01 MG/L		UJ						
ZINC				.224 MG/L		-	.005 MG/L		UJ						
RADIONUCLIDES															
URANIUM-238													60.8 PCI/L	7.6	-
URANIUM, TOTAL													205 UG/L	32	-
URANIUM-234													60.3 PCI/L	7.5	-
THORIUM-230													3.96 PCI/L	.79	-
RADIUM-226													7.34 PCI/L	1.19	-
URANIUM-235/236													3.17 PCI/L	.77	-
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													2.5 UG/L		U
RADIUM-228													3 PCI/L	.81	U
THORIUM-228													1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		UJ
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		UJ
TECHNETIUM-99													33 PCI/L		R
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													20 PCI/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U										5 UG/L		U
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U										5 UG/L		U
1,1,2-TRICHLOROETHANE	5 UG/L		U										5 UG/L		U
1,1-DICHLOROETHANE	5 UG/L		U										2 UG/L		J
1,1-DICHLOROETHENE	5 UG/L		U										5 UG/L		U
1,2-DICHLOROETHANE	5 UG/L		U										5 UG/L		UJ
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U										5 UG/L		U
1,2-DICHLOROPROPANE	5 UG/L		U										5 UG/L		U
2-BUTANONE	1 UG/L		J										10 UG/L		U
2-HEXANONE	10 UG/L		U										10 UG/L		U
4-METHYL-2-PENTANONE	10 UG/L		U										10 UG/L		U
ACETONE	10 UG/L		U										21 UG/L		UJ
BENZENE	5 UG/L		U										3 UG/L		UJ

SAMPLE NUMBER:	070004			070004			004362			004362			004362		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			U-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE	5 UG/L		U										5 UG/L		U
BROMOFORM	5 UG/L		U										5 UG/L		U
BROMOMETHANE	10 UG/L		UJ										10 UG/L		UJ
CARBON DISULFIDE	5 UG/L		U										5 UG/L		U
CARBON TETRACHLORIDE	5 UG/L		U										5 UG/L		U
CHLOROBENZENE	5 UG/L		U										5 UG/L		UJ
CHLOROETHANE	10 UG/L		U										10 UG/L		U
CHLOROFORM	5 UG/L		U										5 UG/L		U
CHLOROMETHANE	10 UG/L		U										10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE	5 UG/L		U										5 UG/L		U
DIBROMOCHLOROMETHANE	5 UG/L		U										5 UG/L		U
ETHYLBENZENE	5 UG/L		U										5 UG/L		UJ
METHYLENE CHLORIDE	11 UG/L		UJ										5 UG/L		UJ
STYRENE	5 UG/L		U										5 UG/L		UJ
TETRACHLOROETHENE	5 UG/L		U										5 UG/L		U
TOLUENE	5 UG/L		U										5 UG/L		UJ
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U										5 UG/L		U
TRICHLOROETHENE	5 UG/L		U										5 UG/L		U
VINYL ACETATE	10 UG/L		U										10 UG/L		U
VINYL CHLORIDE	10 UG/L		U										10 UG/L		U
XYLENES, TOTAL	5 UG/L		U										5 UG/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	004362	GW930417-8	GW930417-8	GW930417-8	GW930417-8
TASK:	3.2.4	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	1644	1644	1644	1644	1644
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-JAN-91	17-APR-93	17-APR-93	17-APR-93	17-APR-93
NORTH COORDINATE:	481616.21	481616.21	481616.21	481616.21	481616.21
EAST COORDINATE:	1378641.29	1378641.29	1378641.29	1378641.29	1378641.29
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	U-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	.443 MG/L		J												
ANTIMONY	.0333 MG/L		UJ												
ARSENIC	.236 MG/L		J												
BARIUM	.281 MG/L		J												
BERYLLIUM	.002 MG/L		UJ												
CADMIUM	.0111 MG/L		J												
CALCIUM	76 MG/L		J												
CHROMIUM	.0219 MG/L		J												
COBALT	.0138 MG/L		J												
COPPER	.0115 MG/L		J												
CYANIDE	.0017 MG/L		UJ												
IRON	6.25 MG/L		J												
LEAD	.0026 MG/L		UJ												
MAGNESIUM	60.1 MG/L		UJ												
MANGANESE	.511 MG/L		UJ												
MERCURY	.0002 MG/L		UJ												
MOLYBDENUM	.123 MG/L		UJ												
NICKEL	.0437 MG/L		UJ												
POTASSIUM	27.9 MG/L		UJ												
SELENIUM	.002 MG/L		UJ												
SILVER	.0181 MG/L		UJ												
SODIUM	459 MG/L		UJ												
THALLIUM	.002 MG/L		UJ												
VANADIUM	.0137 MG/L		UJ												
ZINC	.0234 MG/L		UJ												
RADIONUCLIDES															
URANIUM-238				20.2 PCI/L	2.8	J	15.5 PCI/L	1.4	J						
URANIUM, TOTAL				72.6 UG/L	5.1	-	72.9 UG/L	5.1	J	55 UG/L		NV	42 UG/L		NV
URANIUM-234				17.5 PCI/L	2.5	J	14.6 PCI/L	1.3	J						
THORIUM-230				.1 PCI/L	.1	R	24.6 PCI/L	7.5	J						

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SAMPLE NUMBER:	004362			GW930417-8			GW930417-8			GW930417-8			GW930417-8		
LAB:	IT			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	U-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
RADIUM-226				10.1 PCI/L	1	J	16.1 PCI/L	1.6	J						
URANIUM-235/236				.2 PCI/L	.3	UJ	.5 PCI/L	.2	J						
THORIUM-232				.3 PCI/L	.1	R	.7 PCI/L	.1	UJ						
RADIUM-228				6.2 PCI/L	1.6	-	4 PCI/L	1.6	J						
THORIUM-228				.1 PCI/L	.1	R	.7 PCI/L	.2	UJ						
TECHNETIUM-99				15.8 PCI/L	8.7	-	15 PCI/L	7.3	UJ						
GROSS ALPHA				15.5 PCI/L	9.2	NV	86.8 PCI/L	13.6	NV						
GROSS BETA				55.7 PCI/L	8.5	NV	65.7 PCI/L	10.1	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930417-8	GW930417-8	EMGW_SYSGEN_339	EMGW_SYSGEN_339	EMGW_SYSGEN_339
TASK:	50.03.23	50.03.23	GWMON	GWMON	GWMON
LAB:	NET	NET	NET	NET	WMCO
WELL OR BORING NUMBER:	1644	1644	1644	1644	1644
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-APR-93	17-APR-93	23-JUL-91	23-JUL-91	23-JUL-91
NORTH COORDINATE:	481616.21	481616.21	481616.21	481616.21	481616.21
EAST COORDINATE:	1378641.29	1378641.29	1378641.29	1378641.29	1378641.29
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				336 MG/L		-				330 MG/L		NV			
ALLYL CHLORIDE										20 UG/L		UNV			
AMMONIA				2.29 MG/L		J				7.7 MG/L		NV			
BICARBONATE ALKALINITY				458 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				782 MG/L		-				837 MG/L		NV			
FLUORIDE				6.76 MG/L		-				8.12 MG/L		NV			
NITRATE, AS NITROGEN										.02 MG/L		NV			
NITRATE/NITRITE				.02 MG/L		U									
PH				7.15 SU		-				7.04 SU		NV			
PHENOLS				.01 MG/L		U				.006 MG/L		NV			
PHOSPHORUS				.49 MG/L		J				.33 MG/L		NV			
SPECIFIC CONDUCTIVITY				2820 UMHOS/CM		-				3180 UMHOS/CM		NV			
SULFATE				13 MG/L		J				15 MG/L		NV			
TOTAL DISSOLVED SOLIDS	1740 MG/L		-							1640 MG/L		NV			
TOTAL KJELDAHL NITROGEN				6.36 MG/L		-									
TOTAL ORGANIC CARBON				33 MG/L		-				35 MG/L		NV			
TOTAL ORGANIC HALOGENS				.145 MG/L		-				.378 MG/L		NV			
TOTAL ORGANIC NITROGEN				4.07 MG/L		-									
TOTAL SOLIDS				1880 MG/L		-									
INORGANICS															
ALUMINUM	.02 MG/L		UJ	4.61 MG/L		J									
ANTIMONY	.045 MG/L		U	.0623 MG/L		-	.02 MG/L		UNV	.02 MG/L		UNV			
ARSENIC	.191 MG/L		-	.313 MG/L		-	.106 MG/L		NV	.168 MG/L		NV			
BARIUM	.267 MG/L		-	.285 MG/L		-	.31 MG/L		NV	.28 MG/L		NV			
BERYLLIUM	.001 MG/L		U	.001 MG/L		U	.05 MG/L		UNV	.05 MG/L		UNV			
CADMIUM	.003 MG/L		U	.0038 MG/L		-	.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM	67.3 MG/L		-	78 MG/L		-	70 MG/L		NV	70 MG/L		NV			
CHROMIUM	.005 MG/L		U	.0141 MG/L		-				.002 MG/L		UNV			
COBALT	.008 MG/L		U	.0146 MG/L		-	.006 MG/L		NV	.0063 MG/L		NV			

SAMPLE NUMBER:	GW930417-8			GW930417-8			EMGW_SYSGEN_339			EMGW_SYSGEN_339			EMGW_SYSGEN_339		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER	.003 MG/L		U	.0221 MG/L		U	.02 MG/L		UNV	.017 MG/L		NV			
CYANIDE	.01 MG/L		UJ	.01 MG/L		UJ				.005 MG/L		UNV			
IRON	2.47 MG/L		J	13.1 MG/L		J									
LEAD	.001 MG/L		UJ	.0178 MG/L		U	.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM	48.5 MG/L		-	52.8 MG/L		-									
MANGANESE	.403 MG/L		-	.575 MG/L		-									
MERCURY	.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		UNV	.0002 MG/L		UNV			
NICKEL	.02 MG/L		U	.0217 MG/L		-	.01 MG/L		UNV	.01 MG/L		UNV			
POTASSIUM	21.8 MG/L		-	20.6 MG/L		-									
SELENIUM	.0022 MG/L		J	.0014 MG/L		UJ	.005 MG/L		UNV	.005 MG/L		UNV			
SILVER	.007 MG/L		U	.007 MG/L		U	.001 MG/L		UNV	.0013 MG/L		NV			
SODIUM	418 MG/L		-	404 MG/L		-									
THALLIUM	.01 MG/L		UJ	.01 MG/L		UJ	.01 MG/L		UNV	.01 MG/L		UNV			
TIN							2 MG/L		UNV	2 MG/L		UNV			
VANADIUM	.003 MG/L		U	.0088 MG/L		-	.05 MG/L		UNV	.05 MG/L		UNV			
ZINC	.0133 MG/L		U	.136 MG/L		U	.022 MG/L		NV	.046 MG/L		NV			
No sort code listed.															
1,2,3-TRICHLOROPROPANE										1 UG/L		UNV			
1,2,4,5-TETRACHLOROBENZENE										4 UG/L		UNV			
1,2-DIBROMO-3-CHLOROPROPANE										20 UG/L		UNV			
1,2-DIBROMOETHANE										20 UG/L		UNV			
1,3,5-TRINITROBENZENE										15 UG/L		UNV			
1,3-DINITROBENZENE										15 UG/L		UNV			
1,4-NAPHTHOQUINONE										15 UG/L		UNV			
1-NAPHTHYLAMINE										15 UG/L		UNV			
2,3,4,6-TETRACHLOROPHENOL										4 UG/L		UNV			
2,6-DICHLOROPHENOL										4 UG/L		UNV			
2-ACETYLAMINOFLUORENE										15 UG/L		UNV			
2-CHLORO-1,3-BUTADIENE										20 UG/L		UNV			
2-NAPHTHYLAMINE										4 UG/L		UNV			
2-PICOLINE										15 UG/L		UNV			
3,3'-DIMETHYLBENZIDINE										15 UG/L		UNV			
3-METHYLCHOLANTHRENE										15 UG/L		UNV			
3-METHYLPHENOL										4 UG/L		UNV			
4-AMINOBIPHENYL										15 UG/L		UNV			
4-NITROQUINOLINE-1-OXIDE										15 UG/L		UNV			
5-NITRO-O-TOLUIDINE										15 UG/L		UNV			
7,12-DIMETHYLBENZ(A)ANTHRAC ENE										15 UG/L		UNV			
A,A-DIMETHYLPHENETHYLAMINE										15 UG/L		UNV			
ACETOPHENONE										15 UG/L		UNV			
ACROLEIN										20 UG/L		UNV			
ACROLEIN										20 UG/L		UNV			
ACRYLONITRILE										20 UG/L		UNV			
ANILINE										4 UG/L		UNV			

SAMPLE NUMBER:	GW930417-8			GW930417-8			EMGW_SYSGEN_339			EMGW_SYSGEN_339			EMGW_SYSGEN_339		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
ARAMITE										15 UG/L		UNV			
DIALLATE										15 UG/L		UNV			
DIBROMOMETHANE										1 UG/L		UNV			
DICHLORODIFLUOROMETHANE										1 UG/L		UNV			
DIPHENYLAMINE										15 UG/L		UNV			
ETHYL CYANIDE										20 UG/L		UNV			
ETHYL METHACRYLATE										20 UG/L		UNV			
ETHYL METHANESULFONATE										15 UG/L		UNV			
HEXACHLOROPHENE										4 UG/L		UNV			
HEXACHLOROPROPENE										4 UG/L		UNV			
IODOMETHANE										20 UG/L		UNV			
ISODRIN										4 UG/L		UNV			
ISOSAFROLE										15 UG/L		UNV			
KEPONE										4 UG/L		UNV			
METHACRYLONITRILE										20 UG/L		UNV			
METHAPYRILENE										15 UG/L		UNV			
METHYL METHACRYLATE										20 UG/L		UNV			
METHYL METHANESULFONATE										15 UG/L		UNV			
N-NITROSODI-N-BUTYLAMINE										4 UG/L		UNV			
N-NITROSODIETHYLAMINE										4 UG/L		UNV			
N-NITROSOMETHYLETHYLAMINE										4 UG/L		UNV			
N-NITROSOMORPHOLINE										15 UG/L		UNV			
N-NITROSOPIPERIDINE										15 UG/L		UNV			
N-NITROSOPYRROLIDINE										15 UG/L		UNV			
O-TOLUIDINE										15 UG/L		UNV			
P-DIMETHYLAMINOAZOBENZENE										15 UG/L		UNV			
P-PHENYLENEDIAMINE										15 UG/L		UNV			
PENTACHLOROBENZENE										4 UG/L		UNV			
PENTACHLOROETHANE										20 UG/L		UNV			
PENTACHLORONITROBENZENE										4 UG/L		UNV			
PHENACETIN										4 UG/L		UNV			
PRONAMIDE										15 UG/L		UNV			
SAFROLE										15 UG/L		UNV			
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE										15 UG/L		UNV			
DISULFOTON										15 UG/L		UNV			
FAMPHUR										15 UG/L		UNV			
METHYL PARATHION										15 UG/L		UNV			
PARATHION										15 UG/L		UNV			
PHORATE										15 UG/L		UNV			
THIONAZIN										15 UG/L		UNV			
PESTICIDES															

000288

6417

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930417-8			GW930417-8			EMGW_SYSGEN_339			EMGW_SYSGEN_339			EMGW_SYSGEN_339		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDE										1 UG/L		UNV			
4,4'-DDT										1 UG/L		UNV			
ALDRIN										1 UG/L		UNV			
ALPHA-BHC										1 UG/L		UNV			
AROCLOR-1016										1 UG/L		UNV			
AROCLOR-1221										1 UG/L		UNV			
AROCLOR-1232										1 UG/L		UNV			
AROCLOR-1242										1 UG/L		UNV			
AROCLOR-1248										1 UG/L		UNV			
AROCLOR-1254										1 UG/L		UNV			
AROCLOR-1260										1 UG/L		UNV			
BETA-BHC										1 UG/L		UNV			
CHLORDANE										1 UG/L		UNV			
CHLOROBENZILATE										15 UG/L		UNV			
DELTA-BHC										1 UG/L		UNV			
DIELDRIN										1 UG/L		UNV			
ENDOSULFAN II										1 UG/L		UNV			
ENDOSULFAN SULFATE										1 UG/L		UNV			
ENDOSULFAN-I										1 UG/L		UNV			
ENDRIN										1 UG/L		UNV			
ENDRIN ALDEHYDE										1 UG/L		UNV			
GAMMA-BHC (LINDANE)										1 UG/L		UNV			
HEPTACHLOR										1 UG/L		UNV			
HEPTACHLOR EPOXIDE										1 UG/L		UNV			
SULFOTEP										15 UG/L		UNV			
TOXAPHENE										2.5 UG/L		UNV			
RADIONUCLIDES															
URANIUM, TOTAL													230 UG/L		NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										4 UG/L		UNV			
1,3-DICHLOROBENZENE										4 UG/L		UNV			
1,4-DICHLOROBENZENE										4 UG/L		UNV			
2,4,5-TRICHLOROPHENOL										4 UG/L		UNV			
2,4,6-TRICHLOROPHENOL										4 UG/L		UNV			
2,4-DICHLOROPHENOL										4 UG/L		UNV			
2,4-DIMETHYLPHENOL										4 UG/L		UNV			
2,4-DINITROPHENOL										4 UG/L		UNV			
2,4-DINITROTOLUENE										15 UG/L		UNV			
2,6-DINITROTOLUENE										15 UG/L		UNV			
2-CHLORONAPHTHALENE										4 UG/L		UNV			
2-CHLOROPHENOL										4 UG/L		UNV			
2-METHYLNAPHTHALENE										4 UG/L		UNV			

SAMPLE NUMBER:	GW930417-8			GW930417-8			EMGW_SYSGEN_339			EMGW_SYSGEN_339			EMGW_SYSGEN_339		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-METHYLPHENOL										4 UG/L		UNV			
2-NITROANILINE										15 UG/L		UNV			
2-NITROPHENOL										4 UG/L		UNV			
3,3'-DICHLOROBENZIDINE										15 UG/L		UNV			
3-NITROANILINE										15 UG/L		UNV			
4,6-DINITRO-2-METHYLPHENOL										4 UG/L		UNV			
4-BROMOPHENYL PHENYL ETHER										15 UG/L		UNV			
4-CHLORO-3-METHYLPHENOL										4 UG/L		UNV			
4-CHLOROPHENYLPHENYL ETHER										15 UG/L		UNV			
4-NITROANILINE										15 UG/L		UNV			
4-NITROPHENOL										4 UG/L		UNV			
ACENAPHTHENE										4 UG/L		UNV			
ACENAPHTHYLENE										4 UG/L		UNV			
ANTHRACENE										4 UG/L		UNV			
BENZO(A)ANTHRACENE										4 UG/L		UNV			
BENZO(A)PYRENE										4 UG/L		UNV			
BENZO(B)FLUORANTHENE										4 UG/L		UNV			
BENZO(G,H,I)PERYLENE										4 UG/L		UNV			
BENZO(K)FLUORANTHENE										4 UG/L		UNV			
BENZYL ALCOHOL										40 UG/L		UNV			
BIS(2-CHLOROETHOXY)METHANE										15 UG/L		UNV			
BIS(2-CHLOROETHYL)ETHER										15 UG/L		UNV			
BIS(2-CHLOROISOPROPYL) ETHER										4 UG/L		UNV			
BIS(2-ETHYLHEXYL)PHTHALATE										4 UG/L		UNV			
BUTYL BENZYL PHTHALATE										4 UG/L		UNV			
CHRYSENE										4 UG/L		UNV			
DI-N-BUTYL PHTHALATE										4 UG/L		UNV			
DI-N-OCTYL PHTHALATE										4 UG/L		UNV			
DIBENZO(A,H)ANTHRACENE										4 UG/L		UNV			
DIBENZOFURAN										4 UG/L		UNV			
DIETHYL PHTHALATE										4 UG/L		UNV			
DIMETHYL PHTHALATE										4 UG/L		UNV			
FLUORANTHENE										4 UG/L		UNV			
FLUORENE										4 UG/L		UNV			
HEXACHLOROBENZENE										4 UG/L		UNV			
HEXACHLOROBUTADIENE										4 UG/L		UNV			
HEXACHLOROCYCLOPENTADIENE										4 UG/L		UNV			
HEXACHLOROETHANE										4 UG/L		UNV			
INDENO(1,2,3-CD)PYRENE										4 UG/L		UNV			
ISOPHORONE										4 UG/L		UNV			
N-NITROSO-DI-N-PROPYLAMINE										4 UG/L		UNV			
N-NITROSODIMETHYLAMINE										4 UG/L		UNV			
N-NITROSODIPHENYLAMINE										4 UG/L		UNV			
NAPHTHALENE										4 UG/L		UNV			
NITROBENZENE										4 UG/L		UNV			
P-CHLOROANILINE										4 UG/L		UNV			

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SAMPLE NUMBER:	GW930417-8			GW930417-8			EMGW_SYSGEN_339			EMGW_SYSGEN_339			EMGW_SYSGEN_339		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PENTACHLOROPHENOL										4 UG/L		UNV			
PHENANTHRENE										4 UG/L		UNV			
PHENOL				.01 MG/L		U				4 UG/L		UNV			
PYRENE										4 UG/L		UNV			
PYRIDINE										4 UG/L		UNV			
VOLATILES															
1,1,1,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,1-TRICHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,1-DICHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,1-DICHLOROETHENE				10 UG/L		U				1 UG/L		UNV			
1,2-DICHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U				1 UG/L		UNV			
2-BUTANONE				10 UG/L		U				2 UG/L		UNV			
2-HEXANONE				10 UG/L		U				2 UG/L		UNV			
4-METHYL-2-PENTANONE				10 UG/L		U				2 UG/L		UNV			
ACETONE				10 UG/L		UJ				2 UG/L		NV			
BENZENE				2 UG/L		J				1 UG/L		UNV			
BROMODICHLOROMETHANE				10 UG/L		U				1 UG/L		UNV			
BROMOFORM				10 UG/L		U				1 UG/L		UNV			
BROMOMETHANE				10 UG/L		U				1 UG/L		UNV			
CARBON DISULFIDE				10 UG/L		U				1 UG/L		UNV			
CARBON TETRACHLORIDE				10 UG/L		U				1 UG/L		UNV			
CHLOROBENZENE				10 UG/L		U				1 UG/L		UNV			
CHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
CHLOROFORM				10 UG/L		U				1 UG/L		UNV			
CHLOROMETHANE				10 UG/L		U				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				10 UG/L		U				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				10 UG/L		U				1 UG/L		UNV			
ETHYLBENZENE				10 UG/L		U				1 UG/L		UNV			
METHYLENE CHLORIDE				10 UG/L		U				1 UG/L		UNV			
STYRENE				10 UG/L		U				1 UG/L		UNV			
T-1,4-DICHLORO-2-BUTENE										20 UG/L		UNV			
TETRACHLOROETHENE				10 UG/L		U				1 UG/L		UNV			
TOLUENE				10 UG/L		U				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U				1 UG/L		UNV			
TRICHLOROETHENE				10 UG/L		U				1 UG/L		UNV			
TRICHLOROFLUOROMETHANE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE				10 UG/L		U				1 UG/L		UNV			
XYLENES, TOTAL				10 UG/L		U				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_340	EMGW_SYSGEN_340	EMGW_SYSGEN_340	GW930125-10	GW930125-10
TASK:	GWMON	GWMON	GWMON	RCRA	RCRA
LAB:	NET	NET	WMCO	CORE	FERMCO Laboratory
WELL OR BORING NUMBER:	1644	1644	1644	1644	1644
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-OCT-91	23-OCT-91	23-OCT-91	25-JAN-93	25-JAN-93
NORTH COORDINATE:	481616.21	481616.21	481616.21	481616.21	481616.21
EAST COORDINATE:	1378641.29	1378641.29	1378641.29	1378641.29	1378641.29
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				363 MG/L		NV									
AMMONIA				7.47 MG/L		NV									
CHLORIDE				848 MG/L		NV									
FLUORIDE				7.21 MG/L		NV									
NITRATE, AS NITROGEN				.05 MG/L		NV									
PH				6.96 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.43 MG/L		NV									
SPECIFIC CONDUCTIVITY				3270 UMHOS/CM		NV									
SULFATE				12 MG/L		NV									
TOTAL DISSOLVED SOLIDS				1680 MG/L		NV									
TOTAL ORGANIC CARBON				36 MG/L		NV									
TOTAL ORGANIC HALOGENS				.336 MG/L		NV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	5.73 MG/L		NV									
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV									
ARSENIC	.247 MG/L		NV	.299 MG/L		NV									
BARIUM	.33 MG/L		NV	.4 MG/L		NV									
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV									
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV									
CALCIUM	73 MG/L		NV	85 MG/L		NV									
CHROMIUM				.002 MG/L		UNV									
COBALT	.0068 MG/L		NV	.0098 MG/L		NV									
COPPER	.02 MG/L		UNV	.02 MG/L		UNV									
CYANIDE				.005 MG/L		UNV									
IRON	.13 MG/L		NV	6.6 MG/L		NV									
LEAD	.003 MG/L		UNV	.0087 MG/L		NV									
MAGNESIUM	47 MG/L		NV	64 MG/L		NV									
MANGANESE	.394 MG/L		NV	.473 MG/L		NV									
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_340			EMGW_SYSGEN_340			EMGW_SYSGEN_340			GW930125-10			GW930125-10		
LAB:	NET			NET			WMCO			CORE			FERMCO Laboratory		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.111 MG/L		NV	.175 MG/L		NV									
NICKEL	.01 MG/L		UNV	.027 MG/L		NV									
POTASSIUM	35 MG/L		NV	41 MG/L		NV									
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV									
SILVER	.001 MG/L		UNV	.001 MG/L		UNV									
SODIUM	442 MG/L		NV	502 MG/L		NV									
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV									
ZINC	.025 MG/L		NV	.146 MG/L		NV									
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM, TOTAL							182 UG/L		NV	41.2 UG/L		NV	39 UG/L		NV
THORIUM-230										25.1 PCI/L	9.3	NV			
RADIUM-226										14.5 PCI/L	1.1	NV			
THORIUM-232										.6 PCI/L	.5	UNV			
THORIUM, TOTAL										5 UG/L		NV			
RADIUM-228										3 PCI/L	1.2	UNV			
THORIUM-228										1.1 PCI/L	.8	NV			
GROSS ALPHA										59.1 PCI/L	13.1	NV			
GROSS BETA										23 PCI/L	9.4	NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1.1 UG/L		NV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				4.6 UG/L		NV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_340			EMGW_SYSGEN_340			EMGW_SYSGEN_340			GW930125-10			GW930125-10		
LAB:	NET			NET			WMCO			CORE			FERMCO Laboratory		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				2.5 UG/L		NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930125-10	GW930125-10	070005	070005	070005
TASK:	RCRA	RCRA	50.03.04	50.03.04	50.03.04
LAB:	NET	NET	IT	IT	IT
WELL OR BORING NUMBER:	1644	1644	1644	1644	1644
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-JAN-93	25-JAN-93	28-JAN-92	28-JAN-92	28-JAN-92
NORTH COORDINATE:	481616.21	481616.21	481616.21	481616.21	481616.21
EAST COORDINATE:	1378641.29	1378641.29	1378641.29	1378641.29	1378641.29
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	F-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				392 MG/L		NV							382.5 MG/L		J
ALLYL CHLORIDE				5 UG/L		UNV									
AMMONIA				4.39 MG/L		NV							7.21 MG/L		-
BICARBONATE ALKALINITY				476 MG/L		NV									
CARBONATE ALKALINITY				3 MG/L		UNV									
CHLORIDE				834 MG/L		NV							747 MG/L		-
FLUORIDE				6.07 MG/L		NV							6.2 MG/L		-
NITRATE				.02 MG/L		UNV							.1 MG/L		U
NITRITE, AS NITROGEN				.02 MG/L		UNV									
PH				7.12 SU		NV							7.07 SU		-
PHENOLS				.01 MG/L		UNV							.01 MG/L		-
PHOSPHORUS				.1 MG/L		UNV							.33 MG/L		-
SPECIFIC CONDUCTIVITY				3380 UMHOS/CM		NV							2570 UMHOS/CM		J
SULFATE				25 MG/L		NV							18.6 MG/L		-
TOTAL DISSOLVED SOLIDS				1730 MG/L		NV				896 MG/L		-			
TOTAL ORGANIC CARBON				30 MG/L		NV							17.7 MG/L		J
TOTAL ORGANIC HALIDES				.14 MG/L		NV							.401 MG/L		-
TOTAL SOLIDS				1970 MG/L		NV									
INORGANICS															
ALUMINUM	.75 MG/L		NV	7.11 MG/L		NV	.124 MG/L		-						
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV	.0395 MG/L		J						
ARSENIC	.388 MG/L		NV	.457 MG/L		NV	.0973 MG/L		J						
BARIUM	.41 MG/L		NV	.49 MG/L		NV	.3 MG/L		-						
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		U						
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.0082 MG/L		J						
CALCIUM	104 MG/L		NV	102 MG/L		NV	81.8 MG/L		-						
CHROMIUM	.002 MG/L		UNV	.0097 MG/L		NV	.0218 MG/L		J						
COBALT	.0076 MG/L		NV	.0143 MG/L		NV	.01 MG/L		U						
COPPER	.02 MG/L		UNV	.02 MG/L		UNV	.01 MG/L		U						
CYANIDE				.005 MG/L		UNV									

SAMPLE NUMBER:	GW930125-10			GW930125-10			070005			070005			070005		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	11.3 MG/L		NV	18.5 MG/L		NV	.072 MG/L		-						
LEAD	.003 MG/L		UNV	.0168 MG/L		NV	.002 MG/L		UJ						
MAGNESIUM	65.8 MG/L		NV	64.9 MG/L		NV	60.5 MG/L		-						
MANGANESE	.791 MG/L		NV	.857 MG/L		NV	.477 MG/L		-						
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		U						
MOLYBDENUM	.106 MG/L		NV	.107 MG/L		NV	.135 MG/L		-						
NICKEL	.01 MG/L		UNV	.018 MG/L		NV	.0364 MG/L		-						
POTASSIUM				20 MG/L		NV	27.5 MG/L		-						
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV	.003 MG/L		U						
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.0167 MG/L		R						
SODIUM				450 MG/L		NV	463 MG/L		-						
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UJ						
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.0118 MG/L		-						
ZINC	.031 MG/L		NV	.101 MG/L		NV	.0135 MG/L		-						
No sort code listed.															
1,2,3-TRICHLOROPROPANE				5 UG/L		UNV									
1,2-DIBROMO-3-CHLOROPROPANE				2 UG/L		UNV									
1,2-DIBROMOETHANE				2 UG/L		UNV									
2-CHLORO-1,3-BUTADIENE				5 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACRYLONITRILE				50 UG/L		UNV									
DICHLORODIFLUOROMETHANE				10 UG/L		UNV									
ETHYL CYANIDE				20 UG/L		UNV									
ETHYL METHACRYLATE				5 UG/L		UNV									
IODOMETHANE				5 UG/L		UNV									
METHACRYLONITRILE				5 UG/L		UNV									
METHYL METHACRYLATE				5 UG/L		UNV									
PENTACHLOROETHANE				5 UG/L		UNV									
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
TRANS-1,4-DICHLORO-2-BUTENE				20 UG/L		UNV									
RADIONUCLIDES															
URANIUM, TOTAL										125 UG/L	18	-			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
CUMENE				1 UG/L		UNV									
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,1-TRICHLOROETHANE				1 UG/L		UNV							5 UG/L		U

SAMPLE NUMBER:	GW930125-10			GW930125-10			070005			070005			070005		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV							5 UG/L		U
1,1,2-TRICHLOROETHANE				1 UG/L		UNV							5 UG/L		U
1,1-DICHLOROETHANE				1 UG/L		UNV							2 UG/L		J
1,1-DICHLOROETHENE				1 UG/L		UNV							5 UG/L		U
1,2-DICHLOROETHANE				1 UG/L		UNV							5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													5 UG/L		U
1,2-DICHLOROPROPANE				1 UG/L		UNV							5 UG/L		U
2-BUTANONE				10 UG/L		UNV							10 UG/L		U
2-HEXANONE				10 UG/L		UNV							10 UG/L		UJ
4-METHYL-2-PENTANONE				10 UG/L		UNV							10 UG/L		U
ACETONE				10 UG/L		UNV							11 UG/L		U
BENZENE				1 UG/L		UNV							2 UG/L		J
BROMODICHLOROMETHANE				1 UG/L		UNV							5 UG/L		U
BROMOFORM				1 UG/L		UNV							5 UG/L		U
BROMOMETHANE				5 UG/L		UNV							10 UG/L		U
CARBON DISULFIDE				1 UG/L		UNV							5 UG/L		U
CARBON TETRACHLORIDE				1 UG/L		UNV							5 UG/L		U
CHLOROBENZENE				1 UG/L		UNV							5 UG/L		U
CHLOROETHANE				10 UG/L		UNV							2 UG/L		J
CHLOROFORM				1 UG/L		UNV							5 UG/L		U
CHLOROMETHANE				10 UG/L		UNV							10 UG/L		U
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV							5 UG/L		U
DIBROMOCHLOROMETHANE				1 UG/L		UNV							5 UG/L		U
ETHYLBENZENE				1 UG/L		UNV							5 UG/L		U
METHYLENE CHLORIDE				10 UG/L		UNV							9 UG/L		U
STYRENE				1 UG/L		UNV							5 UG/L		U
TETRACHLOROETHENE				1 UG/L		UNV							5 UG/L		U
TOLUENE				1 UG/L		UNV							5 UG/L		U
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV							5 UG/L		U
TRICHLOROETHENE				1 UG/L		UNV							5 UG/L		U
TRICHLOROFLUOROMETHANE				1 UG/L		UNV									
VINYL ACETATE				10 UG/L		UNV							10 UG/L		U
VINYL CHLORIDE				5 UG/L		UNV							10 UG/L		U
XYLENES, TOTAL				1 UG/L		UNV							5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	070005	004899	004899	004899	004899
TASK:	50.03.04	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1644	1645	1645	1645	1645
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JAN-92	08-OCT-91	08-OCT-91	08-OCT-91	08-OCT-91
NORTH COORDINATE:	481616.21	481583.25	481583.25	481583.25	481583.25
EAST COORDINATE:	1378641.29	1379060.26	1379060.26	1379060.26	1379060.26
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	U-UNF	F-FIL	NONE-FIL	NONE-UNF	U-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										395 MG/L		-			
AMMONIA										.1 MG/L		U			
CHLORIDE										39 MG/L		-			
FLUORIDE										.88 MG/L		-			
NITRATE										.21 MG/L		J			
PH										7.2 SU		J			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										6.27 MG/L		J			
SPECIFIC CONDUCTIVITY										1201 UMHOS/CM		-			
SULFATE										334 MG/L		-			
TOTAL DISSOLVED SOLIDS							860 MG/L		-						
TOTAL ORGANIC CARBON										1.21 MG/L		-			
TOTAL ORGANIC HALIDES										.022 MG/L		-			
TOTAL ORGANIC NITROGEN										2.09 MG/L		-			
INORGANICS															
ALUMINUM	.242 MG/L		-	6.21 MG/L		J							13.9 MG/L		J
ANTIMONY	.0402 MG/L		J	.04 MG/L		J							.0603 MG/L		J
ARSENIC	.162 MG/L		J	.0029 MG/L		J							.0091 MG/L		J
BARIUM	.294 MG/L		-	.0834 MG/L		-							.122 MG/L		J
BERYLLIUM	.002 MG/L		U	.002 MG/L		U							.002 MG/L		U
BORON				.67 MG/L		J							.62 MG/L		J
CADMIUM	.0068 MG/L		J	.0097 MG/L		J							.0116 MG/L		J
CALCIUM	79.9 MG/L		-	196 MG/L		J							213 MG/L		J
CHROMIUM	.0246 MG/L		J	.0498 MG/L		J							.0696 MG/L		J
COBALT	.01 MG/L		U	.01 MG/L		U							.0196 MG/L		-
COPPER	.0104 MG/L		-	.0262 MG/L		-							.0446 MG/L		-
CYANIDE	.002 MG/L		U										.002 MG/L		UJ
IRON	1.03 MG/L		-	8.67 MG/L		J							26.3 MG/L		J
LEAD	.002 MG/L		UJ	.0046 MG/L		J							.0211 MG/L		-
MAGNESIUM	58.9 MG/L		-	69.9 MG/L		J							91 MG/L		J

000238

6417

SAMPLE NUMBER:	070005			004899			004899			004899			004899		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	U-UNF			F-FIL			NONE-FIL			NONE-UNF			U-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE	.466 MG/L		-	.429 MG/L		J							.504 MG/L		J
MERCURY	.0002 MG/L		U	.0002 MG/L		U							.0002 MG/L		U
MOLYBDENUM	.136 MG/L		-	.0258 MG/L		J							.0404 MG/L		J
NICKEL	.038 MG/L		-	.0516 MG/L		-							.0864 MG/L		-
POTASSIUM	27.9 MG/L		-	7.04 MG/L		-							10.4 MG/L		-
SELENIUM	.003 MG/L		U	.002 MG/L		U							.002 MG/L		U
SILICON				15 MG/L		J							24.4 MG/L		J
SILVER	.0174 MG/L		R	.0351 MG/L		-							.0387 MG/L		-
SODIUM	453 MG/L		-	16 MG/L		J							15.4 MG/L		J
THALLIUM	.01 MG/L		UJ	.002 MG/L		U							.002 MG/L		U
VANADIUM	.0136 MG/L		-	.0347 MG/L		-							.0535 MG/L		-
ZINC	.0157 MG/L		-	.0488 MG/L		J							.0708 MG/L		J
VOLATILES															
1,1,1-TRICHLOROETHANE										5 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										5 UG/L		U			
1,1,2-TRICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHENE										5 UG/L		U			
1,2-DICHLOROETHANE										5 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										5 UG/L		U			
1,2-DICHLOROPROPANE										5 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		UJ			
ACETONE										10 UG/L		U			
BENZENE										5 UG/L		U			
BROMODICHLOROMETHANE										5 UG/L		U			
BROMOFORM										5 UG/L		UJ			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										5 UG/L		U			
CARBON TETRACHLORIDE										5 UG/L		U			
CHLOROBENZENE										5 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										5 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										5 UG/L		U			
DIBROMOCHLOROMETHANE										5 UG/L		U			
ETHYLBENZENE										5 UG/L		U			
METHYLENE CHLORIDE										5 UG/L		U			
STYRENE										5 UG/L		U			
TETRACHLOROETHENE										5 UG/L		U			
TOLUENE										5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		U			
TRICHLOROETHENE										5 UG/L		U			
VINYL ACETATE										10 UG/L		U			

SAMPLE NUMBER:	070005			004899			004899			004899			004899		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	U-UNF			F-FIL			NONE-FIL			NONE-UNF			U-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	004900	GW930417-9	GW930417-9	GW930417-9	GW930417-9
TASK:	50.03.04	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	WMCO	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	1645	1645	1645	1645	1645
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-OCT-91	17-APR-93	17-APR-93	17-APR-93	17-APR-93
NORTH COORDINATE:	481583.25	481583.25	481583.25	481583.25	481583.25
EAST COORDINATE:	1379060.26	1379060.26	1379060.26	1379060.26	1379060.26
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238				9.2 PCI/L	1.1	J	7.3 PCI/L	.7	J						
URANIUM, TOTAL	4 UG/L		NV	31.8 UG/L	2.2	-	35.6 UG/L	2.5	J	28 UG/L		NV	28 UG/L		NV
URANIUM-234				4.3 PCI/L	.6	J	3.8 PCI/L	.4	J						
THORIUM-230				.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ						
RADIUM-226				1 PCI/L	.2	UJ	1.1 PCI/L	.4	-						
URANIUM-235/236				.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ						
THORIUM-232				.2 PCI/L	.1	UJ	.3 PCI/L	.1	UJ						
RADIUM-228				5.1 PCI/L	1.7	-	3 PCI/L	1.4	U						
THORIUM-228				.2 PCI/L	.1	UJ	.3 PCI/L	.1	UJ						
TECHNETIUM-99				15 PCI/L	7.7	U	15 PCI/L	6.6	UJ						
GROSS ALPHA				10.7 PCI/L	3.6	NV	10.3 PCI/L	5.7	UNV						
GROSS BETA				11.5 PCI/L	3.5	NV	22.1 PCI/L	4.3	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930417-9	GW930417-9	EMGW_SYSGEN_343	EMGW_SYSGEN_343	EMGW_SYSGEN_343
TASK:	50.03.23	50.03.23	GWMON	GWMON	GWMON
LAB:	NET	NET	NET	NET	WMCO
WELL OR BORING NUMBER:	1645	1645	1645	1645	1645
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-APR-93	17-APR-93	23-JUL-91	23-JUL-91	23-JUL-91
NORTH COORDINATE:	481583.25	481583.25	481583.25	481583.25	481583.25
EAST COORDINATE:	1379060.26	1379060.26	1379060.26	1379060.26	1379060.26
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				404 MG/L		-				202 MG/L		NV			
ALLYL CHLORIDE										20 UG/L		UNV			
AMMONIA				.04 MG/L		UJ				.09 MG/L		NV			
BICARBONATE ALKALINITY				586 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				76 MG/L		-				49 MG/L		NV			
FLUORIDE				.53 MG/L		-				.7 MG/L		NV			
NITRATE, AS NITROGEN										.08 MG/L		NV			
NITRATE/NITRITE				.02 MG/L		U									
PH				7.24 SU		-				7.19 SU		NV			
PHENOLS				.01 MG/L		U				.005 MG/L		UNV			
PHOSPHORUS				.23 MG/L		J				1.59 MG/L		NV			
SPECIFIC CONDUCTIVITY				1170 UMHOS/CM		-				1180 UMHOS/CM		NV			
SULFATE				296 MG/L		J				226 MG/L		NV			
TOTAL DISSOLVED SOLIDS	881 MG/L		-							924 MG/L		NV			
TOTAL KJELDAHL NITROGEN				.3 MG/L		-									
TOTAL ORGANIC CARBON				16 MG/L		-				18 MG/L		NV			
TOTAL ORGANIC HALOGENS				.01 MG/L		U				.012 MG/L		NV			
TOTAL ORGANIC NITROGEN				.26 MG/L		-									
TOTAL SOLIDS				1010 MG/L		-									
INORGANICS															
ALUMINUM	.02 MG/L		UJ	1.92 MG/L		J									
ANTIMONY	.0679 MG/L		-	.0786 MG/L		-	.02 MG/L		UNV	.02 MG/L		UNV			
ARSENIC	.002 MG/L		U	.002 MG/L		U	.005 MG/L		UNV	.0067 MG/L		NV			
BARIUM	.0363 MG/L		-	.0449 MG/L		-	.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM	.001 MG/L		U	.001 MG/L		U	.05 MG/L		UNV	.05 MG/L		UNV			
CADMIUM	.003 MG/L		U	.003 MG/L		U	.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM	164 MG/L		-	157 MG/L		-	139 MG/L		NV	233 MG/L		NV			
CHROMIUM	.005 MG/L		U	.0095 MG/L		-				.002 MG/L		UNV			
COBALT	.01 MG/L		-	.0121 MG/L		-	.005 MG/L		UNV	.0137 MG/L		NV			

000242

9412

SAMPLE NUMBER:	GW930417-9			GW930417-9			EMGW_SYSGEN_343			EMGW_SYSGEN_343			EMGW_SYSGEN_343		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER	.003 MG/L		U	.0083 MG/L		U	.056 MG/L		NV	.043 MG/L		NV			
CYANIDE	.01 MG/L		UJ	.01 MG/L		UJ				.005 MG/L		UNV			
IRON	.0857 MG/L		UJ	3.03 MG/L		J									
LEAD	.001 MG/L		U	.0022 MG/L		U	.005 MG/L		UNV	.0057 MG/L		NV			
MAGNESIUM	70.9 MG/L		-	66 MG/L		-									
MANGANESE	.0194 MG/L		-	.0675 MG/L		-									
MERCURY	.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		UNV	.0002 MG/L		UNV			
NICKEL	.02 MG/L		U	.02 MG/L		U	.018 MG/L		NV	.084 MG/L		NV			
POTASSIUM	2 MG/L		-	2.7 MG/L		-									
SELENIUM	.0011 MG/L		UJ	.001 MG/L		UJ	.005 MG/L		UNV	.005 MG/L		UNV			
SILVER	.007 MG/L		U	.007 MG/L		U	.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM	17.8 MG/L		-	16.4 MG/L		-									
THALLIUM	.002 MG/L		UJ	.002 MG/L		UJ	.01 MG/L		UNV	.01 MG/L		UNV			
TIN							2 MG/L		UNV	2 MG/L		UNV			
VANADIUM	.003 MG/L		U	.003 MG/L		U	.05 MG/L		UNV	.05 MG/L		UNV			
ZINC	.0094 MG/L		U	.0172 MG/L		U	.112 MG/L		NV	.034 MG/L		NV			
No sort code listed.															
1,2,3-TRICHLOROPROPANE										1 UG/L		UNV			
1,2,4,5-TETRACHLOROBENZENE										4 UG/L		UNV			
1,2-DIBROMO-3-CHLOROPROPANE										20 UG/L		UNV			
1,2-DIBROMOETHANE										20 UG/L		UNV			
1,3,5-TRINITROBENZENE										15 UG/L		UNV			
1,3-DINITROBENZENE										15 UG/L		UNV			
1,4-NAPHTHOQUINONE										15 UG/L		UNV			
1-NAPHTHYLAMINE										15 UG/L		UNV			
2,3,4,6-TETRACHLOROPHENOL										4 UG/L		UNV			
2,6-DICHLOROPHENOL										4 UG/L		UNV			
2-ACETYLAMINOFLUORENE										15 UG/L		UNV			
2-CHLORO-1,3-BUTADIENE										20 UG/L		UNV			
2-NAPHTHYLAMINE										4 UG/L		UNV			
2-PICOLINE										15 UG/L		UNV			
3,3'-DIMETHYLBENZIDINE										15 UG/L		UNV			
3-METHYLCHOLANTHRENE										15 UG/L		UNV			
3-METHYLPHENOL										4 UG/L		UNV			
4-AMINOBIPHENYL										15 UG/L		UNV			
4-NITROQUINOLINE-1-OXIDE										15 UG/L		UNV			
5-NITRO-O-TOLUIDINE										15 UG/L		UNV			
7,12-DIMETHYLBENZ(A)ANTHRAC ENE										15 UG/L		UNV			
A,A-DIMETHYLPHENETHYLAMINE										15 UG/L		UNV			
ACETOPHENONE										15 UG/L		UNV			
ACROLEIN										20 UG/L		UNV			
ACROLEIN										20 UG/L		UNV			
ACRYLONITRILE										20 UG/L		UNV			
ANILINE										4 UG/L		UNV			

SAMPLE NUMBER:	GW930417-9			GW930417-9			EMGW_SYSGEN_343			EMGW_SYSGEN_343			EMGW_SYSGEN_343		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
ARAMITE										15 UG/L		UNV			
DIALLATE										15 UG/L		UNV			
DIBROMOMETHANE										1 UG/L		UNV			
DICHLORODIFLUOROMETHANE										1 UG/L		UNV			
DIPHENYLAMINE										15 UG/L		UNV			
ETHYL CYANIDE										20 UG/L		UNV			
ETHYL METHACRYLATE										20 UG/L		UNV			
ETHYL METHANESULFONATE										15 UG/L		UNV			
HEXACHLOROPHENE										4 UG/L		UNV			
HEXACHLOROPROPENE										4 UG/L		UNV			
IODOMETHANE										20 UG/L		UNV			
ISODRIN										4 UG/L		UNV			
ISOSAFROLE										15 UG/L		UNV			
KEPONE										4 UG/L		UNV			
METHACRYLONITRILE										20 UG/L		UNV			
METHAPYRILENE										15 UG/L		UNV			
METHYL METHACRYLATE										20 UG/L		UNV			
METHYL METHANESULFONATE										15 UG/L		UNV			
N-NITROSODI-N-BUTYLAMINE										4 UG/L		UNV			
N-NITROSODIETHYLAMINE										4 UG/L		UNV			
N-NITROSOMETHYLETHYLAMINE										4 UG/L		UNV			
N-NITROSOMORPHOLINE										15 UG/L		UNV			
N-NITROSOPIPERIDINE										15 UG/L		UNV			
N-NITROSOPYRROLIDINE										15 UG/L		UNV			
O-TOLUIDINE										15 UG/L		UNV			
P-DIMETHYLAMINOAZOBENZENE										15 UG/L		UNV			
P-PHENYLENEDIAMINE										15 UG/L		UNV			
PENTACHLOROBENZENE										4 UG/L		UNV			
PENTACHLOROETHANE										20 UG/L		UNV			
PENTACHLORONITROBENZENE										4 UG/L		UNV			
PHENACETIN										4 UG/L		UNV			
PRONAMIDE										15 UG/L		UNV			
SAFROLE										15 UG/L		UNV			
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE										15 UG/L		UNV			
DISULFOTON										15 UG/L		UNV			
FAMPHUR										15 UG/L		UNV			
METHYL PARATHION										15 UG/L		UNV			
PARATHION										15 UG/L		UNV			
PHORATE										15 UG/L		UNV			
THIONAZIN										15 UG/L		UNV			
PESTICIDES															

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930417-9	GW930417-9	EMGW_SYSGEN_343	EMGW_SYSGEN_343	EMGW_SYSGEN_343
LAB:	NET	NET	NET	NET	WMCO
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
										.2 UG/L		UNV			
PESTICIDES															
4,4'-DDE										.2 UG/L		UNV			
4,4'-DDT										.2 UG/L		UNV			
ALDRIN										.2 UG/L		UNV			
ALPHA-BHC										.2 UG/L		UNV			
AROCLOR-1016										.2 UG/L		UNV			
AROCLOR-1221										.2 UG/L		UNV			
AROCLOR-1232										.2 UG/L		UNV			
AROCLOR-1242										.2 UG/L		UNV			
AROCLOR-1248										.2 UG/L		UNV			
AROCLOR-1254										.2 UG/L		UNV			
AROCLOR-1260										.2 UG/L		UNV			
BETA-BHC										.2 UG/L		UNV			
CHLORDANE										.2 UG/L		UNV			
CHLOROBENZILATE										15 UG/L		UNV			
DELTA-BHC										.2 UG/L		UNV			
DIELDRIN										.2 UG/L		UNV			
ENDOSULFAN II										.2 UG/L		UNV			
ENDOSULFAN SULFATE										.2 UG/L		UNV			
ENDOSULFAN-I										.2 UG/L		UNV			
ENDRIN										.2 UG/L		UNV			
ENDRIN ALDEHYDE										.2 UG/L		UNV			
GAMMA-BHC (LINDANE)										.2 UG/L		UNV			
HEPTACHLOR										.2 UG/L		UNV			
HEPTACHLOR EPOXIDE										.2 UG/L		UNV			
SULFOTEP										15 UG/L		UNV			
TOXAPHENE										.2 UG/L		UNV			
RADIONUCLIDES															
URANIUM, TOTAL													43.3 UG/L		NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										4 UG/L		UNV			
1,3-DICHLOROBENZENE										4 UG/L		UNV			
1,4-DICHLOROBENZENE										4 UG/L		UNV			
2,4,5-TRICHLOROPHENOL										4 UG/L		UNV			
2,4,6-TRICHLOROPHENOL										4 UG/L		UNV			
2,4-DICHLOROPHENOL										4 UG/L		UNV			
2,4-DIMETHYLPHENOL										4 UG/L		UNV			
2,4-DINITROPHENOL										4 UG/L		UNV			
2,4-DINITROTOLUENE										15 UG/L		UNV			
2,6-DINITROTOLUENE										15 UG/L		UNV			
2-CHLORONAPHTHALENE										4 UG/L		UNV			
2-CHLOROPHENOL										4 UG/L		UNV			
2-METHYLNAPHTHALENE										4 UG/L		UNV			

SAMPLE NUMBER:	GW930417-9			GW930417-9			EMGW_SYSGEN_343			EMGW_SYSGEN_343			EMGW_SYSGEN_343		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-METHYLPHENOL										4 UG/L		UNV			
2-NITROANILINE										15 UG/L		UNV			
2-NITROPHENOL										4 UG/L		UNV			
3,3'-DICHLOROBENZIDINE										15 UG/L		UNV			
3-NITROANILINE										15 UG/L		UNV			
4,6-DINITRO-2-METHYLPHENOL										4 UG/L		UNV			
4-BROMOPHENYL PHENYL ETHER										15 UG/L		UNV			
4-CHLORO-3-METHYLPHENOL										4 UG/L		UNV			
4-CHLOROPHENYLPHENYL ETHER										15 UG/L		UNV			
4-NITROANILINE										15 UG/L		UNV			
4-NITROPHENOL										4 UG/L		UNV			
ACENAPHTHENE										4 UG/L		UNV			
ACENAPHTHYLENE										4 UG/L		UNV			
ANTHRACENE										4 UG/L		UNV			
BENZO(A)ANTHRACENE										4 UG/L		UNV			
BENZO(A)PYRENE										4 UG/L		UNV			
BENZO(B)FLUORANTHENE										4 UG/L		UNV			
BENZO(G,H,I)PERYLENE										4 UG/L		UNV			
BENZO(K)FLUORANTHENE										4 UG/L		UNV			
BENZYL ALCOHOL										40 UG/L		UNV			
BIS(2-CHLOROETHOXY)METHANE										15 UG/L		UNV			
BIS(2-CHLOROETHYL)ETHER										15 UG/L		UNV			
BIS(2-CHLOROISOPROPYL) ETHER										4 UG/L		UNV			
BIS(2-ETHYLHEXYL)PHTHALATE										4 UG/L		UNV			
BUTYL BENZYL PHTHALATE										4 UG/L		UNV			
CHRYSENE										4 UG/L		UNV			
DI-N-BUTYL PHTHALATE										4 UG/L		UNV			
DI-N-OCTYL PHTHALATE										4 UG/L		UNV			
DIBENZO(A,H)ANTHRACENE										4 UG/L		UNV			
DIBENZOFURAN										4 UG/L		UNV			
DIETHYL PHTHALATE										4 UG/L		UNV			
DIMETHYL PHTHALATE										4 UG/L		UNV			
FLUORANTHENE										4 UG/L		UNV			
FLUORENE										4 UG/L		UNV			
HEXACHLOROBENZENE										4 UG/L		UNV			
HEXACHLOROBUTADIENE										4 UG/L		UNV			
HEXACHLOROCYCLOPENTADIENE										4 UG/L		UNV			
HEXACHLOROETHANE										4 UG/L		UNV			
INDENO(1,2,3-CD)PYRENE										4 UG/L		UNV			
ISOPHORONE										4 UG/L		UNV			
N-NITROSO-DI-N-PROPYLAMINE										4 UG/L		UNV			
N-NITROSODIMETHYLAMINE										4 UG/L		UNV			
N-NITROSODIPHENYLAMINE										4 UG/L		UNV			
NAPHTHALENE										4 UG/L		UNV			
NITROBENZENE										4 UG/L		UNV			
P-CHLOROANILINE										4 UG/L		UNV			

SAMPLE NUMBER:	GW930417-9			GW930417-9			EMGW_SYSGEN_343			EMGW_SYSGEN_343			EMGW_SYSGEN_343		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PENTACHLOROPHENOL										4 UG/L		UNV			
PHENANTHRENE										4 UG/L		UNV			
PHENOL				.01 MG/L		U				4 UG/L		UNV			
PYRENE										4 UG/L		UNV			
PYRIDINE										4 UG/L		UNV			
VOLATILES															
1,1,1,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,1-TRICHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,1-DICHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,1-DICHLOROETHENE				10 UG/L		U				1 UG/L		UNV			
1,2-DICHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U				1 UG/L		UNV			
2-BUTANONE				10 UG/L		U				2 UG/L		UNV			
2-HEXANONE				10 UG/L		U				2 UG/L		UNV			
4-METHYL-2-PENTANONE				10 UG/L		U				2 UG/L		UNV			
ACETONE				10 UG/L		UJ				2 UG/L		UNV			
BENZENE				10 UG/L		U				1 UG/L		UNV			
BROMODICHLOROMETHANE				10 UG/L		U				1 UG/L		UNV			
BROMOFORM				10 UG/L		U				1 UG/L		UNV			
BROMOMETHANE				10 UG/L		U				1 UG/L		UNV			
CARBON DISULFIDE				10 UG/L		U				1 UG/L		UNV			
CARBON TETRACHLORIDE				10 UG/L		U				1 UG/L		UNV			
CHLOROBENZENE				10 UG/L		U				1 UG/L		UNV			
CHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
CHLOROFORM				10 UG/L		U				1 UG/L		UNV			
CHLOROMETHANE				10 UG/L		U				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				10 UG/L		U				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				10 UG/L		U				1 UG/L		UNV			
ETHYLBENZENE				10 UG/L		U				1 UG/L		UNV			
METHYLENE CHLORIDE				10 UG/L		U				1 UG/L		UNV			
STYRENE				10 UG/L		U				1 UG/L		UNV			
T-1,4-DICHLORO-2-BUTENE										20 UG/L		UNV			
TETRACHLOROETHENE				10 UG/L		U				1 UG/L		UNV			
TOLUENE				10 UG/L		U				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U				1 UG/L		UNV			
TRICHLOROETHENE				10 UG/L		U				1 UG/L		UNV			
TRICHLOROFLUOROMETHANE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE				10 UG/L		U				1 UG/L		UNV			
XYLENES, TOTAL				10 UG/L		U				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_344	EMGW_SYSGEN_344	EMGW_SYSGEN_344	GW930125-11	GW930125-11
TASK:	GWMON	GWMON	GWMON	RCRA	RCRA
LAB:	NET	NET	WMCO	CORE	FERMCO Laboratory
WELL OR BORING NUMBER:	1645	1645	1645	1645	1645
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-OCT-91	23-OCT-91	23-OCT-91	25-JAN-93	25-JAN-93
NORTH COORDINATE:	481583.25	481583.25	481583.25	481583.25	481583.25
EAST COORDINATE:	1379060.26	1379060.26	1379060.26	1379060.26	1379060.26
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				389 MG/L		NV									
AMMONIA				.09 MG/L		NV									
CHLORIDE				42 MG/L		NV									
FLUORIDE				.88 MG/L		NV									
NITRATE, AS NITROGEN				.04 MG/L		NV									
PH				7.2 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.31 MG/L		NV									
SPECIFIC CONDUCTIVITY				1160 UMHOS/CM		NV									
SULFATE				294 MG/L		NV									
TOTAL DISSOLVED SOLIDS				818 MG/L		NV									
TOTAL ORGANIC CARBON				24 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	1.84 MG/L		NV									
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV									
ARSENIC	.005 MG/L		UNV	.005 MG/L		UNV									
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV									
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV									
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV									
CALCIUM	137 MG/L		NV	160 MG/L		NV									
CHROMIUM				.0054 MG/L		NV									
COBALT	.005 MG/L		UNV	.005 MG/L		UNV									
COPPER	.02 MG/L		UNV	.02 MG/L		UNV									
CYANIDE				.005 MG/L		UNV									
IRON	.1 MG/L		UNV	3.45 MG/L		NV									
LEAD	.003 MG/L		UNV	.003 MG/L		UNV									
MAGNESIUM	56 MG/L		NV	74 MG/L		NV									
MANGANESE	.041 MG/L		NV	.126 MG/L		NV									
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV									

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SAMPLE NUMBER:	EMGW_SYSGEN_344			EMGW_SYSGEN_344			EMGW_SYSGEN_344			GW930125-11			GW930125-11		
LAB:	NET			NET			WMCO			CORE			FERMCO Laboratory		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.01 MG/L		UNV	.014 MG/L		NV									
NICKEL	.01 MG/L		UNV	.015 MG/L		NV									
POTASSIUM	2.5 MG/L		NV	3.3 MG/L		NV									
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV									
SILVER	.001 MG/L		UNV	.001 MG/L		UNV									
SODIUM	16.3 MG/L		NV	16.4 MG/L		NV									
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV									
ZINC	.02 MG/L		NV	.02 MG/L		UNV									
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM, TOTAL							18 UG/L		NV	20.1 UG/L		NV	20 UG/L		NV
THORIUM-230										.3 PCI/L	.2	NV			
RADIUM-226										1 PCI/L	.3	UNV			
THORIUM-232										.2 PCI/L	.1	UNV			
THORIUM, TOTAL										1.2 UG/L		NV			
RADIUM-228										3 PCI/L	1.2	UNV			
THORIUM-228										.3 PCI/L	.1	NV			
GROSS ALPHA										10.9 PCI/L	5	NV			
GROSS BETA										17.9 PCI/L	4.9	NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_344			EMGW_SYSGEN_344			EMGW_SYSGEN_344			GW930125-11			GW930125-11		
LAB:	NET			NET			WMCO			CORE			FERMCO Laboratory		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930125-11	GW930125-11	070006	070006	070006
TASK:	RCRA	RCRA	50.03.04	50.03.04	50.03.04
LAB:	NET	NET	IT	IT-KNOX	IT-KNOX
WELL OR BORING NUMBER:	1645	1645	1645	1645	1645
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-JAN-93	25-JAN-93	29-JAN-92	29-JAN-92	29-JAN-92
NORTH COORDINATE:	481583.25	481583.25	481583.25	481583.25	481583.25
EAST COORDINATE:	1379060.26	1379060.26	1379060.26	1379060.26	1379060.26
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				402 MG/L		NV							425 MG/L		-
ALLYL CHLORIDE				5 UG/L		UNV									
AMMONIA				.07 MG/L		NV							.1 MG/L		U
BICARBONATE ALKALINITY				451 MG/L		NV									
CARBONATE ALKALINITY				3 MG/L		UNV									
CHLORIDE				51 MG/L		NV							53.9 MG/L		-
FLUORIDE				.86 MG/L		NV							.62 MG/L		-
NITRATE				.09 MG/L		NV							.1 MG/L		U
NITRITE, AS NITROGEN				.02 MG/L		UNV									
PH				7.4 SU		NV							7.45 SU		-
PHENOLS				.01 MG/L		UNV							.01 MG/L		U
PHOSPHORUS				.1 MG/L		UNV							.12 MG/L		-
SPECIFIC CONDUCTIVITY				1330 UMHOS/CM		NV							1280 UMHOS/CM		-
SULFATE				313 MG/L		NV							226 MG/L		-
TOTAL DISSOLVED SOLIDS	863 MG/L		NV							828 MG/L		-			
TOTAL ORGANIC CARBON				11 MG/L		NV							1 MG/L		U
TOTAL ORGANIC HALIDES				.01 MG/L		UNV							.156 MG/L		-
TOTAL SOLIDS				1120 MG/L		NV									
INORGANICS															
ALUMINUM	1.94 MG/L		NV	4.77 MG/L		NV									
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV									
ARSENIC	.005 MG/L		UNV	.005 MG/L		UNV									
BARIUM	.2 MG/L		UNV	.26 MG/L		NV									
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV									
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV									
CALCIUM	166 MG/L		NV	166 MG/L		NV									
CHROMIUM	.002 MG/L		UNV	.0078 MG/L		NV									
COBALT	.005 MG/L		UNV	.005 MG/L		UNV									
COPPER	.02 MG/L		UNV	.02 MG/L		UNV									
CYANIDE				.005 MG/L		UNV									

SAMPLE NUMBER:	GW930125-11			GW930125-11			070006			070006			070006		
LAB:	NET			NET			IT			IT-KNOX			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	1.09 MG/L		NV	3.67 MG/L		NV									
LEAD	.003 MG/L		UNV	.003 MG/L		UNV									
MAGNESIUM	77.5 MG/L		NV	74.2 MG/L		NV									
MANGANESE	.079 MG/L		NV	.136 MG/L		NV									
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV									
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV									
NICKEL	.01 MG/L		UNV	.011 MG/L		NV									
POTASSIUM				3.1 MG/L		NV									
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV									
SILVER	.001 MG/L		UNV	.001 MG/L		UNV									
SODIUM				18 MG/L		NV									
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV									
ZINC	.02 MG/L		UNV	.02 MG/L		UNV									
No sort code listed.															
1,2,3-TRICHLOROPROPANE				5 UG/L		UNV									
1,2-DIBROMO-3-CHLOROPROPANE				2 UG/L		UNV									
1,2-DIBROMOETHANE				2 UG/L		UNV									
2-CHLORO-1,3-BUTADIENE				5 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACRYLONITRILE				50 UG/L		UNV									
DICHLORODIFLUOROMETHANE				10 UG/L		UNV									
ETHYL CYANIDE				20 UG/L		UNV									
ETHYL METHACRYLATE				5 UG/L		UNV									
IODOMETHANE				5 UG/L		UNV									
METHACRYLONITRILE				5 UG/L		UNV									
METHYL METHACRYLATE				5 UG/L		UNV									
PENTACHLOROETHANE				5 UG/L		UNV									
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
TRANS-1,4-DICHLORO-2-BUTENE				20 UG/L		UNV									
RADIONUCLIDES															
URANIUM, TOTAL							24.5 UG/L	3.5	-						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
CUMENE				1 UG/L		UNV									
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									

000252

SAMPLE NUMBER:	GW930125-11	GW930125-11	070006	070006	070006
LAB:	NET	NET	IT	IT-KNOX	IT-KNOX
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				10 UG/L		UNV									
2-HEXANONE				10 UG/L		UNV									
4-METHYL-2-PENTANONE				10 UG/L		UNV									
ACETONE				10 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				5 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				10 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				10 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				10 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
TRICHLOROFLUOROMETHANE				1 UG/L		UNV									
VINYL ACETATE				10 UG/L		UNV									
VINYL CHLORIDE				5 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	070006			070006			070006			070020			070020		
TASK:	50.03.04			50.03.04			50.03.04			50.03.04			50.03.04		
LAB:	IT			IT/MWL			IT/MWL			IT			IT		
WELL OR BORING NUMBER:	1645			1645			1645			1646			1646		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	29-JAN-92			29-JAN-92			29-JAN-92			03-APR-92			03-APR-92		
NORTH COORDINATE:	481583.25			481583.25			481583.25			481743.08			481743.08		
EAST COORDINATE:	1379060.26			1379060.26			1379060.26			1379094.86			1379094.86		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			U-UNF			F-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM				.149 MG/L		-	.434 MG/L		-	1.61 MG/L		J			
ANTIMONY				.0498 MG/L		J	.0502 MG/L		J	.03 MG/L		UJ			
ARSENIC				.002 MG/L		UJ	.002 MG/L		UJ	.002 MG/L		U			
BARIUM				.046 MG/L		-	.048 MG/L		-	.0396 MG/L		-			
BERYLLIUM				.002 MG/L		U	.002 MG/L		U	.002 MG/L		U			
CADMIUM				.0101 MG/L		J	.0099 MG/L		J	.002 MG/L		U			
CALCIUM				160 MG/L		J	161 MG/L		J	138 MG/L		-			
CHROMIUM				.041 MG/L		-	.0419 MG/L		-	.01 MG/L		U			
COBALT				.01 MG/L		U	.01 MG/L		U	.01 MG/L		U			
COPPER				.013 MG/L		-	.0164 MG/L		-	.01 MG/L		U			
CYANIDE							.002 MG/L		UJ						
IRON				.0831 MG/L		-	.729 MG/L		-	2.58 MG/L		-			
LEAD				.002 MG/L		UJ	.002 MG/L		UJ	.0022 MG/L		-			
MAGNESIUM				69.3 MG/L		-	68.8 MG/L		-	80 MG/L		-			
MANGANESE				.0226 MG/L		-	.0557 MG/L		-	.0761 MG/L		-			
MERCURY				.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U			
MOLYBDENUM				.0182 MG/L		J	.0159 MG/L		J	.01 MG/L		U			
NICKEL				.0361 MG/L		-	.04 MG/L		-	.02 MG/L		U			
POTASSIUM				2.12 MG/L		-	2.19 MG/L		-	2.61 MG/L		-			
SELENIUM				.003 MG/L		U	.003 MG/L		U	.003 MG/L		U			
SILVER				.0322 MG/L		R	.0326 MG/L		R	.01 MG/L		U			
SODIUM				16.7 MG/L		-	16.3 MG/L		-	18.1 MG/L		-			
THALLIUM				.01 MG/L		UJ	.01 MG/L		UJ	.002 MG/L		UJ			
VANADIUM				.0218 MG/L		-	.0238 MG/L		-	.01 MG/L		U			
ZINC				.0109 MG/L		-	.0113 MG/L		-	.0232 MG/L		-			
RADIONUCLIDES															
URANIUM, TOTAL													544 UG/L	67	
VOLATILES															

SAMPLE NUMBER:	070006			070006			070006			070020			070020		
LAB:	IT			IT/MWL			IT/MWL			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			U-UNF			F-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U												
1,1,2-TRICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHENE	5 UG/L		U												
1,2-DICHLOROETHANE	5 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U												
1,2-DICHLOROPROPANE	5 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		UJ												
BENZENE	5 UG/L		U												
BROMODICHLOROMETHANE	5 UG/L		U												
BROMOFORM	5 UG/L		U												
BROMOMETHANE	10 UG/L		UJ												
CARBON DISULFIDE	5 UG/L		U												
CARBON TETRACHLORIDE	5 UG/L		U												
CHLOROBENZENE	5 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	5 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	5 UG/L		U												
DIBROMOCHLOROMETHANE	5 UG/L		U												
ETHYLBENZENE	5 UG/L		U												
METHYLENE CHLORIDE	9 UG/L		U												
STYRENE	5 UG/L		U												
TETRACHLOROETHENE	5 UG/L		U												
TOLUENE	5 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U												
TRICHLOROETHENE	5 UG/L		U												
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	5 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	070020	070020	070020	070020	GW930417-10
TASK:	50.03.04	50.03.04	50.03.04	50.03.04	50.03.23
LAB:	IT-KNOX	IT-KNOX	IT	IT	CORE
WELL OR BORING NUMBER:	1646	1646	1646	1646	1646
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-APR-92	03-APR-92	03-APR-92	03-APR-92	17-APR-93
NORTH COORDINATE:	481743.08	481743.08	481743.08	481743.08	481743.08
EAST COORDINATE:	1379094.86	1379094.86	1379094.86	1379094.86	1379094.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	U-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				363 MG/L		-									
AMMONIA				.00014 MG/L		-									
CHLORIDE				39 MG/L		-									
FLUORIDE				.9 MG/L		-									
NITRATE/NITRITE				.1 MG/L		U									
PH				7.93 SU		J									
PHENOLS				.02 MG/L		-									
PHOSPHORUS				.707 MG/L		J									
SPECIFIC CONDUCTIVITY				925 UMHOS/CM		-									
SULFATE				45.9 MG/L		J									
TOTAL DISSOLVED SOLIDS	926 MG/L		-												
TOTAL ORGANIC CARBON				1 MG/L		U									
TOTAL ORGANIC HALIDES				.014 MG/L		-									
INORGANICS															
ALUMINUM										3.77 MG/L		J			
ANTIMONY										.03 MG/L		UJ			
ARSENIC										.0027 MG/L		J			
BARIUM										.0475 MG/L		-			
BERYLLIUM										.002 MG/L		U			
CADMIUM										.002 MG/L		U			
CALCIUM										144 MG/L		-			
CHROMIUM										.01 MG/L		U			
COBALT										.01 MG/L		U			
COPPER										.01 MG/L		U			
CYANIDE										.002 MG/L		U			
IRON										5.46 MG/L		-			
LEAD										.0039 MG/L		-			
MAGNESIUM										81.8 MG/L		-			
MANGANESE										.152 MG/L		-			
MERCURY										.0002 MG/L		U			

000256

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SAMPLE NUMBER:	070020			070020			070020			070020			GW930417-10		
LAB:	IT-KNOX			IT-KNOX			IT			IT			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			U-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM										.01 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										3.26 MG/L		-			
SELENIUM										.003 MG/L		UJ			
SILVER										.01 MG/L		U			
SODIUM										17.5 MG/L		-			
THALLIUM										.002 MG/L		UJ			
VANADIUM										.01 MG/L		U			
ZINC										.0213 MG/L		-			
RADIONUCLIDES															
URANIUM-238													159 PCI/L	57.6	J
URANIUM, TOTAL													425 UG/L	29.7	J
URANIUM-234													33.1 PCI/L	12.9	J
THORIUM-230													.2 PCI/L	.2	UJ
RADIUM-226													1 PCI/L	.2	UJ
URANIUM-235/236													1.1 PCI/L	1.1	J
THORIUM-232													.2 PCI/L	.1	UJ
THORIUM, TOTAL													1.8240122 PCI/L	.1	NV
RADIUM-228													6.5 PCI/L	1.7	-
THORIUM-228													.2 PCI/L	.1	UJ
TECHNETIUM-99													75.8 PCI/L	11.2	-
GROSS ALPHA													86.6 PCI/L	19.1	NV
GROSS BETA													175 PCI/L	17	NV
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHENE							5 UG/L		U						
1,2-DICHLOROETHANE							5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		U						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		UJ						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							2 UG/L		J						
BENZENE							5 UG/L		U						
BROMODICHLOROMETHANE							5 UG/L		U						
BROMOFORM							5 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							5 UG/L		U						
CARBON TETRACHLORIDE							5 UG/L		U						
CHLOROBENZENE							5 UG/L		U						

SAMPLE NUMBER:	070020			070020			070020			070020			GW930417-10		
LAB:	IT-KNOX			IT-KNOX			IT			IT			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			U-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							5 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							5 UG/L		U						
DIBROMOCHLOROMETHANE							5 UG/L		U						
ETHYLBENZENE							5 UG/L		U						
METHYLENE CHLORIDE							5 UG/L		U						
STYRENE							5 UG/L		U						
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U						
TRICHLOROETHENE							5 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		U						

000258

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930417-10	GW930417-10	GW930417-10	GW930417-10	GW930417-10
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	FERMCO	FERMCO	NET	NET
WELL OR BORING NUMBER:	1646	1646	1646	1646	1646
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-APR-93	17-APR-93	17-APR-93	17-APR-93	17-APR-93
NORTH COORDINATE:	481743.08	481743.08	481743.08	481743.08	481743.08
EAST COORDINATE:	1379094.86	1379094.86	1379094.86	1379094.86	1379094.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													422 MG/L		-
AMMONIA													.02 MG/L		UJ
BICARBONATE ALKALINITY													586 MG/L		-
CARBONATE ALKALINITY													3 MG/L		U
CHLORIDE													49 MG/L		-
FLUORIDE													.78 MG/L		-
NITRATE/NITRITE													.02 MG/L		U
PH													7.33 SU		-
PHENOLS													.01 MG/L		U
PHOSPHORUS													.14 MG/L		J
SPECIFIC CONDUCTIVITY													1170 UMHOS/CM		-
SULFATE													273 MG/L		J
TOTAL DISSOLVED SOLIDS										904 MG/L		-			
TOTAL KJELDAHL NITROGEN													.27 MG/L		-
TOTAL ORGANIC CARBON													16 MG/L		-
TOTAL ORGANIC HALOGENS													.01 MG/L		U
TOTAL ORGANIC NITROGEN													.27 MG/L		-
TOTAL SOLIDS													937 MG/L		-
INORGANICS															
ALUMINUM										.02 MG/L		UJ	.999 MG/L		J
ANTIMONY										.0538 MG/L		-	.0709 MG/L		-
ARSENIC										.002 MG/L		U	.002 MG/L		U
BARIUM										.0366 MG/L		-	.0394 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.003 MG/L		U	.003 MG/L		U
CALCIUM										147 MG/L		-	139 MG/L		-
CHROMIUM										.005 MG/L		U	.005 MG/L		U
COBALT										.0092 MG/L		-	.0107 MG/L		-
COPPER										.004 MG/L		U	.0132 MG/L		U
CYANIDE										.01 MG/L		UJ	.01 MG/L		UJ

SAMPLE NUMBER:	GW930417-10			GW930417-10			GW930417-10			GW930417-10			GW930417-10		
LAB:	CORE			FERMCO			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON										.0408 MG/L		UJ	1.65 MG/L		J
LEAD										.001 MG/L		U	.0014 MG/L		U
MAGNESIUM										83 MG/L		-	76.3 MG/L		-
MANGANESE										.0039 MG/L		U	.0379 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.02 MG/L		U	.02 MG/L		U
POTASSIUM										2.39 MG/L		-	2.56 MG/L		-
SELENIUM										.001 MG/L		UJ	.001 MG/L		UJ
SILVER										.007 MG/L		U	.007 MG/L		U
SODIUM										18.7 MG/L		-	16.8 MG/L		-
THALLIUM										.002 MG/L		UJ	.002 MG/L		UJ
VANADIUM										.003 MG/L		U	.003 MG/L		U
ZINC										.0111 MG/L		U	.0293 MG/L		U
RADIONUCLIDES															
URANIUM-238	115 PCI/L	22.5	J												
URANIUM, TOTAL	408 UG/L	28.6	-	380 UG/L		NV	360 UG/L		NV						
URANIUM-234	23.6 PCI/L	5.2	J												
THORIUM-230	.2 PCI/L	.1	UJ												
RADIUM-226	1 PCI/L	.4	UJ												
URANIUM-235/236	1.6 PCI/L	.9	J												
THORIUM-232	.7 PCI/L	.2	J												
THORIUM, TOTAL	6.38400496 PCI/L		NV												
RADIUM-228	3 PCI/L	1.2	U												
THORIUM-228	.3 PCI/L	.1	UJ												
TECHNETIUM-99	15 PCI/L	7.1	UJ												
GROSS ALPHA	147 PCI/L	11.6	NV												
GROSS BETA	139 PCI/L	7.6	NV												
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		U
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U

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SAMPLE NUMBER:	GW930417-10			GW930417-10			GW930417-10			GW930417-10			GW930417-10		
LAB:	CORE			FERMCO			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_348	EMGW_SYSGEN_348	EMGW_SYSGEN_348	EMGW_SYSGEN_347	EMGW_SYSGEN_347
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	NET	WMCO	NET	NET
WELL OR BORING NUMBER:	1646	1646	1646	1646	1646
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-OCT-91	23-OCT-91	23-OCT-91	24-JUL-91	24-JUL-91
NORTH COORDINATE:	481743.08	481743.08	481743.08	481743.08	481743.08
EAST COORDINATE:	1379094.86	1379094.86	1379094.86	1379094.86	1379094.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,4-DIOXANE													5000 UG/L		UNV
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				348 MG/L		NV							409 MG/L		NV
ALLYL CHLORIDE													20 UG/L		UNV
AMMONIA				.07 MG/L		NV							.06 MG/L		NV
CHLORIDE				30 MG/L		NV							52 MG/L		NV
FLUORIDE				.87 MG/L		NV							.86 MG/L		NV
NITRATE, AS NITROGEN				.38 MG/L		NV							.24 MG/L		NV
PH				7.1 SU		NV							7.3 SU		NV
PHENOLS				.005 MG/L		UNV							.005 MG/L		UNV
PHOSPHORUS				1.47 MG/L		NV							.7 MG/L		NV
SPECIFIC CONDUCTIVITY				1380 UMHOS/CM		NV							1280 UMHOS/CM		NV
SULFATE				470 MG/L		NV							291 MG/L		NV
SULFIDE													.2 MG/L		UNV
TOTAL DISSOLVED SOLIDS				1040 MG/L		NV							892 MG/L		NV
TOTAL ORGANIC CARBON				20 MG/L		NV							13 MG/L		NV
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV							.01 MG/L		UNV
HERBICIDES															
2,4,5-T													.5 UG/L		UNV
2,4,5-TP (SILVEX)													.5 UG/L		UNV
2,4-D													1 UG/L		UNV
INORGANICS															
ALUMINUM	.2 MG/L		UNV	18.6 MG/L		NV				.2 MG/L		UNV	4.19 MG/L		NV
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV				.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC	.005 MG/L		UNV	.0079 MG/L		NV				.005 MG/L		UNV	.005 MG/L		UNV
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV				.2 MG/L		UNV	.2 MG/L		UNV

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SAMPLE NUMBER:	EMGW_SYSGEN_348			EMGW_SYSGEN_348			EMGW_SYSGEN_348			EMGW_SYSGEN_347			EMGW_SYSGEN_347		
LAB:	NET			NET			WMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	146 MG/L		NV	270 MG/L		NV				152 MG/L		NV	203 MG/L		NV
CHROMIUM				.0381 MG/L		NV							.0237 MG/L		NV
COBALT	.005 MG/L		UNV	.0129 MG/L		NV				.005 MG/L		UNV	.0079 MG/L		NV
COPPER	.02 MG/L		UNV	.053 MG/L		NV				.02 MG/L		NV	.039 MG/L		NV
CYANIDE				.005 MG/L		UNV							.005 MG/L		UNV
IRON	.1 MG/L		UNV	36.6 MG/L		NV				.26 MG/L		NV	10 MG/L		NV
LEAD	.004 MG/L		NV	.0098 MG/L		NV				.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM	69 MG/L		NV	122 MG/L		NV				48 MG/L		NV	86 MG/L		NV
MANGANESE	.044 MG/L		NV	.737 MG/L		NV				.36 MG/L		NV	.704 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.022 MG/L		NV	.18 MG/L		NV				.01 MG/L		UNV	.012 MG/L		NV
NICKEL	.01 MG/L		UNV	.105 MG/L		NV				.011 MG/L		NV	.014 MG/L		NV
POTASSIUM	3.5 MG/L		NV	8.7 MG/L		NV				2.8 MG/L		NV	4 MG/L		NV
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	22.9 MG/L		NV	19.7 MG/L		NV				13.2 MG/L		NV	19.2 MG/L		NV
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
TIN										2 MG/L		UNV	2 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.025 MG/L		NV	.09 MG/L		NV				.049 MG/L		NV	.032 MG/L		NV
No sort code listed.															
1,2,3-TRICHLOROPROPANE													1 UG/L		UNV
1,2,4,5-TETRACHLOROBENZENE													4 UG/L		UNV
1,2-DIBROMO-3-CHLOROPROPANE													20 UG/L		UNV
1,2-DIBROMOETHANE													20 UG/L		UNV
1,3,5-TRINITROBENZENE													15 UG/L		UNV
1,3-DINITROBENZENE													15 UG/L		UNV
1,4-NAPHTHOQUINONE													15 UG/L		UNV
1-NAPHTHYLAMINE													15 UG/L		UNV
2,3,4,6-TETRACHLOROPHENOL													4 UG/L		UNV
2,6-DICHLOROPHENOL													4 UG/L		UNV
2-ACETYLAMINOFLUORENE													15 UG/L		UNV
2-CHLORO-1,3-BUTADIENE													20 UG/L		UNV
2-NAPHTHYLAMINE													4 UG/L		UNV
2-PICOLINE													15 UG/L		UNV
3,3'-DIMETHYLBENZIDINE													15 UG/L		UNV
3-METHYLCHOLANTHRENE													15 UG/L		UNV
3-METHYLPHENOL													4 UG/L		UNV
4-AMINOBIPHENYL													15 UG/L		UNV
4-NITROQUINOLINE-1-OXIDE													15 UG/L		UNV
5-NITRO-O-TOLUIDINE													15 UG/L		UNV
7,12-DIMETHYLBENZ(A)ANTHRAC ENE													15 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_348	EMGW_SYSGEN_348	EMGW_SYSGEN_348	EMGW_SYSGEN_347	EMGW_SYSGEN_347
LAB:	NET	NET	WMCO	NET	NET
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF
	RESULT SIGMA VAL QUAL(1)	RESULT SIGMA VAL QUAL(1)	RESULT SIGMA VAL QUAL(1)	RESULT SIGMA VAL QUAL(1)	RESULT SIGMA VAL QUAL(1)
No sort code listed.					
A,A-DIMETHYLPHENETHYLAMINE					15 UG/L UNV
ACETONITRILE					1000 UG/L UNV
ACETOPHENONE					15 UG/L UNV
ACROLEIN					20 UG/L UNV
ACROLEIN					20 UG/L UNV
ACRYLONITRILE					20 UG/L UNV
ANILINE					4 UG/L UNV
ARAMITE					15 UG/L UNV
DIALLATE					15 UG/L UNV
DIBROMOMETHANE					1 UG/L UNV
DICHLORODIFLUOROMETHANE					1 UG/L UNV
DINOSEB					.5 UG/L UNV
DIPHENYLAMINE					15 UG/L UNV
ETHYL CYANIDE					20 UG/L UNV
ETHYL METHACRYLATE					20 UG/L UNV
ETHYL METHANESULFONATE					15 UG/L UNV
HEXACHLOROPHENE					4 UG/L UNV
HEXACHLOROPROPENE					4 UG/L UNV
IODOMETHANE					20 UG/L UNV
ISODRIN					4 UG/L UNV
ISOSAFROLE					15 UG/L UNV
KEPONE					4 UG/L UNV
METHACRYLONITRILE					20 UG/L UNV
METHAPYRILENE					15 UG/L UNV
METHYL METHACRYLATE					20 UG/L UNV
METHYL METHANESULFONATE					15 UG/L UNV
N-NITROSODI-N-BUTYLAMINE					4 UG/L UNV
N-NITROSODIETHYLAMINE					4 UG/L UNV
N-NITROSOMETHYLETHYLAMINE					4 UG/L UNV
N-NITROSOMORPHOLINE					15 UG/L UNV
N-NITROSOPIPERIDINE					15 UG/L UNV
N-NITROSOPYRROLIDINE					15 UG/L UNV
O-TOLUIDINE					15 UG/L UNV
P-DIMETHYLAMINOAZOBENZENE					15 UG/L UNV
P-PHENYLENEDIAMINE					15 UG/L UNV
PENTACHLOROBENZENE					4 UG/L UNV
PENTACHLOROETHANE					20 UG/L UNV
PENTACHLORONITROBENZENE					4 UG/L UNV
PHENACETIN					4 UG/L UNV
PRONAMIDE					15 UG/L UNV
SAFROLE					15 UG/L UNV
TRANS-1,2-DICHLOROETHENE		1 UG/L UNV			1 UG/L UNV
ORGANOPHOSPHORUS PESTICIDES					
DIMETHOATE					15 UG/L UNV
DISULFOTON					15 UG/L UNV

SAMPLE NUMBER:	EMGW_SYSGEN_348			EMGW_SYSGEN_348			EMGW_SYSGEN_348			EMGW_SYSGEN_347			EMGW_SYSGEN_347		
LAB:	NET			NET			WMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
ORGANOPHOSPHORUS PESTICIDES															
FAMPHUR													15 UG/L		UNV
METHYL PARATHION													15 UG/L		UNV
PARATHION													15 UG/L		UNV
PHORATE													15 UG/L		UNV
THIONAZIN													15 UG/L		UNV
PESTICIDES															
4,4'-DDD													.2 UG/L		UNV
4,4'-DDE													.2 UG/L		UNV
4,4'-DDT													.2 UG/L		UNV
ALDRIN													.2 UG/L		UNV
ALPHA-BHC													.2 UG/L		UNV
AROCLOR-1016													.2 UG/L		UNV
AROCLOR-1221													.2 UG/L		UNV
AROCLOR-1232													.2 UG/L		UNV
AROCLOR-1242													.2 UG/L		UNV
AROCLOR-1248													.2 UG/L		UNV
AROCLOR-1254													.2 UG/L		UNV
AROCLOR-1260													.2 UG/L		UNV
BETA-BHC													.2 UG/L		UNV
CHLORDANE													.2 UG/L		UNV
CHLOROBENZILATE													15 UG/L		UNV
DELTA-BHC													.2 UG/L		UNV
DIELDRIN													.2 UG/L		UNV
ENDOSULFAN II													.2 UG/L		UNV
ENDOSULFAN SULFATE													.2 UG/L		UNV
ENDOSULFAN-I													.2 UG/L		UNV
ENDRIN													.2 UG/L		UNV
ENDRIN ALDEHYDE													.2 UG/L		UNV
GAMMA-BHC (LINDANE)													.2 UG/L		UNV
HEPTACHLOR													.2 UG/L		UNV
HEPTACHLOR EPOXIDE													.2 UG/L		UNV
METHOXYCHLOR													.2 UG/L		UNV
SULFOTEP													15 UG/L		UNV
TOXAPHENE													.5 UG/L		UNV
RADIONUCLIDES															
URANIUM, TOTAL							690 UG/L		NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													4 UG/L		UNV
1,3-DICHLOROBENZENE													4 UG/L		UNV
1,4-DICHLOROBENZENE													4 UG/L		UNV
2,4,5-TRICHLOROPHENOL													4 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_348			EMGW_SYSGEN_348			EMGW_SYSGEN_348			EMGW_SYSGEN_347			EMGW_SYSGEN_347		
LAB:	NET			NET			WMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4,6-TRICHLOROPHENOL													4 UG/L		UNV
2,4-DICHLOROPHENOL													4 UG/L		UNV
2,4-DIMETHYLPHENOL													4 UG/L		UNV
2,4-DINITROPHENOL													4 UG/L		UNV
2,4-DINITROTOLUENE													15 UG/L		UNV
2,6-DINITROTOLUENE													15 UG/L		UNV
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
2-CHLORONAPHTHALENE													4 UG/L		UNV
2-CHLOROPHENOL													4 UG/L		UNV
2-METHYLNAPHTHALENE													4 UG/L		UNV
2-METHYLPHENOL													4 UG/L		UNV
2-NITROANILINE													15 UG/L		UNV
2-NITROPHENOL													4 UG/L		UNV
3,3'-DICHLOROBENZIDINE													15 UG/L		UNV
3-NITROANILINE													15 UG/L		UNV
4,6-DINITRO-2-METHYLPHENOL													4 UG/L		UNV
4-BROMOPHENYL PHENYL ETHER													15 UG/L		UNV
4-CHLORO-3-METHYLPHENOL													4 UG/L		UNV
4-CHLOROPHENYLPHENYL ETHER													15 UG/L		UNV
4-NITROANILINE													15 UG/L		UNV
4-NITROPHENOL													4 UG/L		UNV
ACENAPHTHENE													4 UG/L		UNV
ACENAPHTHYLENE													4 UG/L		UNV
ANTHRACENE													4 UG/L		UNV
BENZO(A)ANTHRACENE													4 UG/L		UNV
BENZO(A)PYRENE													4 UG/L		UNV
BENZO(B)FLUORANTHENE													4 UG/L		UNV
BENZO(G,H,I)PERYLENE													4 UG/L		UNV
BENZO(K)FLUORANTHENE													4 UG/L		UNV
BENZYL ALCOHOL													40 UG/L		UNV
BIS(2-CHLOROETHOXY)METHANE													15 UG/L		UNV
BIS(2-CHLOROETHYL)ETHER													15 UG/L		UNV
BIS(2-CHLOROISOPROPYL) ETHER													4 UG/L		UNV
BIS(2-ETHYLHEXYL)PHTHALATE													4 UG/L		UNV
BUTYL BENZYL PHTHALATE													4 UG/L		UNV
CHRYSENE													4 UG/L		UNV
DI-N-BUTYL PHTHALATE													4 UG/L		UNV
DI-N-OCTYL PHTHALATE													4 UG/L		UNV
DIBENZO(A,H)ANTHRACENE													4 UG/L		UNV
DIBENZOFURAN													4 UG/L		UNV
DIETHYL PHTHALATE													4 UG/L		UNV
DIMETHYL PHTHALATE													4 UG/L		UNV
FLUORANTHENE													4 UG/L		UNV
FLUORENE													4 UG/L		UNV
HEXACHLOROBENZENE													4 UG/L		UNV
HEXACHLOROBUTADIENE													4 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_348			EMGW_SYSGEN_348			EMGW_SYSGEN_348			EMGW_SYSGEN_347			EMGW_SYSGEN_347		
LAB:	NET			NET			WMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
HEXACHLOROCYCLOPENTADIENE													4 UG/L		UNV
HEXACHLOROETHANE													4 UG/L		UNV
INDENO(1,2,3-CD)PYRENE													4 UG/L		UNV
ISOPHORONE													4 UG/L		UNV
N-NITROSO-DI-N-PROPYLAMINE													4 UG/L		UNV
N-NITROSODIMETHYLAMINE													4 UG/L		UNV
N-NITROSODIPHENYLAMINE													4 UG/L		UNV
NAPHTHALENE													4 UG/L		UNV
NITROBENZENE													4 UG/L		UNV
P-CHLOROANILINE													4 UG/L		UNV
PENTACHLOROPHENOL													4 UG/L		UNV
PHENANTHRENE													4 UG/L		UNV
PHENOL				.005 MG/L		UNV							4 UG/L		UNV
PYRENE													4 UG/L		UNV
PYRIDINE													4 UG/L		UNV
VOLATILES															
1,1,1,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,1-TRICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1,2-TRICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV							1 UG/L		UNV
2-BUTANONE				2 UG/L		UNV							2 UG/L		UNV
2-HEXANONE				2 UG/L		UNV							2 UG/L		UNV
4-METHYL-2-PENTANONE				2 UG/L		UNV							2 UG/L		UNV
ACETONE				2 UG/L		UNV							2 UG/L		UNV
BENZENE				1 UG/L		UNV							1 UG/L		UNV
BROMODICHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
BROMOFORM				1 UG/L		UNV							1 UG/L		UNV
BROMOMETHANE				1 UG/L		UNV							1 UG/L		UNV
CARBON DISULFIDE				1 UG/L		UNV							1 UG/L		UNV
CARBON TETRACHLORIDE				1 UG/L		UNV							1 UG/L		UNV
CHLOROBENZENE				1 UG/L		UNV							1 UG/L		UNV
CHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
CHLOROFORM				1 UG/L		UNV							1 UG/L		UNV
CHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV							1 UG/L		UNV
DIBROMOCHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
ETHYLBENZENE				1 UG/L		UNV							1 UG/L		UNV
ISOBUTYL ALCOHOL													3000 UG/L		UNV
METHYLENE CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
STYRENE				1 UG/L		UNV							1 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_348			EMGW_SYSGEN_348			EMGW_SYSGEN_348			EMGW_SYSGEN_347			EMGW_SYSGEN_347		
LAB:	NET			NET			WMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
T-1,4-DICHLORO-2-BUTENE													20 UG/L		UNV
TETRACHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
TOLUENE				1 UG/L		UNV							1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV							1 UG/L		UNV
TRICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
TRICHLOROFLUOROMETHANE													1 UG/L		UNV
VINYL ACETATE				2 UG/L		UNV							2 UG/L		UNV
VINYL CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
XYLENES, TOTAL				1 UG/L		UNV							1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_347	GW930125-12	GW930125-12	GW930125-12	GW930125-12
TASK:	GWMON	RCRA	RCRA	RCRA	RCRA
LAB:	WMCO	CORE	FERMCO Laboratory	NET	NET
WELL OR BORING NUMBER:	1646	1646	1646	1646	1646
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-JUL-91	25-JAN-93	25-JAN-93	25-JAN-93	25-JAN-93
NORTH COORDINATE:	481743.08	481743.08	481743.08	481743.08	481743.08
EAST COORDINATE:	1379094.86	1379094.86	1379094.86	1379094.86	1379094.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													435 MG/L		NV
ALLYL CHLORIDE													5 UG/L		UNV
AMMONIA													.02 MG/L		UNV
BICARBONATE ALKALINITY													488 MG/L		NV
CARBONATE ALKALINITY													3 MG/L		UNV
CHLORIDE													48 MG/L		NV
FLUORIDE													.9 MG/L		NV
NITRATE													.14 MG/L		NV
NITRITE, AS NITROGEN													.02 MG/L		UNV
PH													7.49 SU		NV
PHENOLS													.01 MG/L		UNV
PHOSPHORUS													.1 MG/L		UNV
SPECIFIC CONDUCTIVITY													1380 UMHOS/CM		NV
SULFATE													328 MG/L		NV
TOTAL DISSOLVED SOLIDS													916 MG/L		NV
TOTAL ORGANIC CARBON													12 MG/L		NV
TOTAL ORGANIC HALIDES													.01 MG/L		UNV
TOTAL SOLIDS													1030 MG/L		NV
INORGANICS															
ALUMINUM										.78 MG/L		NV	3.72 MG/L		NV
ANTIMONY										.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC										.005 MG/L		UNV	.005 MG/L		UNV
BARIUM										.2 MG/L		UNV	.25 MG/L		NV
BERYLLIUM										.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM										.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM										157 MG/L		NV	158 MG/L		NV
CHROMIUM										.0024 MG/L		NV	.008 MG/L		NV
COBALT										.005 MG/L		UNV	.005 MG/L		UNV
COPPER										.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE													.005 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_347			GW930125-12			GW930125-12			GW930125-12			GW930125-12		
LAB:	WMCO			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON										.42 MG/L		NV	3.35 MG/L		NV
LEAD										.003 MG/L		UNV	.003 MG/L		UNV
MAGNESIUM										90.2 MG/L		NV	79.3 MG/L		NV
MANGANESE										.019 MG/L		NV	.084 MG/L		NV
MERCURY										.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM										.01 MG/L		UNV	.01 MG/L		UNV
NICKEL										.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM													2.9 MG/L		NV
SELENIUM										.005 MG/L		UNV	.005 MG/L		UNV
SILVER										.001 MG/L		UNV	.001 MG/L		UNV
SODIUM													20 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM										.05 MG/L		UNV	.05 MG/L		UNV
ZINC										.02 MG/L		UNV	.02 MG/L		UNV
No sort code listed.															
1,2,3-TRICHLOROPROPANE													5 UG/L		UNV
1,2-DIBROMO-3-CHLOROPROPANE													2 UG/L		UNV
1,2-DIBROMOETHANE													2 UG/L		UNV
2-CHLORO-1,3-BUTADIENE													5 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACRYLONITRILE													50 UG/L		UNV
DICHLORODIFLUOROMETHANE													10 UG/L		UNV
ETHYL CYANIDE													20 UG/L		UNV
ETHYL METHACRYLATE													5 UG/L		UNV
IODOMETHANE													5 UG/L		UNV
METHACRYLONITRILE													5 UG/L		UNV
METHYL METHACRYLATE													5 UG/L		UNV
PENTACHLOROETHANE													5 UG/L		UNV
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
TRANS-1,4-DICHLORO-2-BUTENE													20 UG/L		UNV
RADIONUCLIDES															
URANIUM, TOTAL	1830 UG/L		NV	508 UG/L		NV	450 UG/L		NV						
THORIUM-230				.3 PCI/L	.2	NV									
RADIUM-226				1 PCI/L	.3	UNV									
THORIUM-232				.2 PCI/L	.1	UNV									
THORIUM, TOTAL				1.6 UG/L		NV									
RADIUM-228				3 PCI/L	1.2	UNV									
THORIUM-228				.3 PCI/L	.2	NV									
GROSS ALPHA				158 PCI/L	12.6	NV									
GROSS BETA				140 PCI/L	8	NV									

SAMPLE NUMBER:	EMGW_SYSGEN_347			GW930125-12			GW930125-12			GW930125-12			GW930125-12		
LAB:	WMCO			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
CUMENE													1 UG/L		UNV
VOLATILES															
1,1,1,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													10 UG/L		UNV
2-HEXANONE													10 UG/L		UNV
4-METHYL-2-PENTANONE													10 UG/L		UNV
ACETONE													10 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													5 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													10 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													10 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													10 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
TRICHLOROFLUOROMETHANE													1 UG/L		UNV
VINYL ACETATE													10 UG/L		UNV
VINYL CHLORIDE													5 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	070007	070007	070007	070007	070007
TASK:	50.03.04	50.03.04	50.03.04	50.03.04	50.03.04
LAB:	IT	IT-KNOX	IT-KNOX	IT	IT/MWL
WELL OR BORING NUMBER:	1646	1646	1646	1646	1646
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-JAN-92	29-JAN-92	29-JAN-92	29-JAN-92	29-JAN-92
NORTH COORDINATE:	481743.08	481743.08	481743.08	481743.08	481743.08
EAST COORDINATE:	1379094.86	1379094.86	1379094.86	1379094.86	1379094.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF	F-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							345 MG/L		-						
AMMONIA							.14 MG/L		-						
CHLORIDE							35.5 MG/L		-						
FLUORIDE							.87 MG/L		-						
NITRATE							.1 MG/L		U						
PH							7.55 SU		-						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.47 MG/L		-						
SPECIFIC CONDUCTIVITY							1318 UMHOS/CM		-						
SULFATE							372 MG/L		-						
TOTAL DISSOLVED SOLIDS				885 MG/L		-									
TOTAL ORGANIC CARBON							1 MG/L		U						
TOTAL ORGANIC HALIDES							.016 MG/L		-						
INORGANICS															
ALUMINUM													.164 MG/L		-
ANTIMONY													.0519 MG/L		J
ARSENIC													.002 MG/L		UJ
BARIUM													.044 MG/L		-
BERYLLIUM													.002 MG/L		U
CADMIUM													.0116 MG/L		J
CALCIUM													148 MG/L		J
CHROMIUM													.0413 MG/L		-
COBALT													.01 MG/L		U
COPPER													.0124 MG/L		-
IRON													.0531 MG/L		U
LEAD													.002 MG/L		UJ
MAGNESIUM													80.9 MG/L		-
MANGANESE													.0122 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.0209 MG/L		-

000022000

SAMPLE NUMBER:	070007			070007			070007			070007			070007		
LAB:	IT			IT-KNOX			IT-KNOX			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL													.0396 MG/L		-
POTASSIUM													2.67 MG/L		-
SELENIUM													.003 MG/L		U
SILVER													.0315 MG/L		R
SODIUM													19.7 MG/L		-
THALLIUM													.01 MG/L		UJ
VANADIUM													.0218 MG/L		-
ZINC													.0114 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	640 UG/L	90	-												
VOLATILES															
1,1,1-TRICHLOROETHANE										5 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										5 UG/L		U			
1,1,2-TRICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHENE										5 UG/L		U			
1,2-DICHLOROETHANE										5 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										5 UG/L		U			
1,2-DICHLOROPROPANE										5 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										8 UG/L		U			
BENZENE										5 UG/L		U			
BROMODICHLOROMETHANE										5 UG/L		U			
BROMOFORM										5 UG/L		U			
BROMOMETHANE										10 UG/L		UJ			
CARBON DISULFIDE										5 UG/L		U			
CARBON TETRACHLORIDE										5 UG/L		U			
CHLOROBENZENE										5 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										5 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										5 UG/L		U			
DIBROMOCHLOROMETHANE										5 UG/L		U			
ETHYLBENZENE										5 UG/L		U			
METHYLENE CHLORIDE										7 UG/L		U			
STYRENE										5 UG/L		U			
TETRACHLOROETHENE										5 UG/L		U			
TOLUENE										5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		U			
TRICHLOROETHENE										5 UG/L		U			
VINYL ACETATE										10 UG/L		U			

SAMPLE NUMBER:	070007			070007			070007			070007			070007		
LAB:	IT			IT-KNOX			IT-KNOX			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	070007	GW930515-8	GW930515-8	GW930515-8	GW930515-8
TASK:	50.03.04	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT/MWL	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	1646	1675	1675	1675	1675
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-JAN-92	15-MAY-93	15-MAY-93	15-MAY-93	15-MAY-93
NORTH COORDINATE:	481743.08	481182.8	481182.8	481182.8	481182.8
EAST COORDINATE:	1379094.86	1381060.63	1381060.63	1381060.63	1381060.63
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	U-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	6.59 MG/L		-												
ANTIMONY	.0598 MG/L		J												
ARSENIC	.002 MG/L		UJ												
BARIUM	.0758 MG/L		-												
BERYLLIUM	.002 MG/L		U												
CADMIUM	.0123 MG/L		J												
CALCIUM	169 MG/L		J												
CHROMIUM	.0612 MG/L		-												
COBALT	.01 MG/L		U												
COPPER	.0612 MG/L		-												
CYANIDE	.002 MG/L		UJ												
IRON	12.4 MG/L		-												
LEAD	.0061 MG/L		J												
MAGNESIUM	86 MG/L		-												
MANGANESE	.237 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.0295 MG/L		-												
NICKEL	.102 MG/L		-												
POTASSIUM	4.32 MG/L		-												
SELENIUM	.003 MG/L		U												
SILVER	.036 MG/L		R												
SODIUM	18.9 MG/L		-												
THALLIUM	.002 MG/L		UJ												
VANADIUM	.0395 MG/L		-												
ZINC	.0389 MG/L		-												
RADIONUCLIDES															
URANIUM-238				2.2 PCI/L	.7	-	2.2 PCI/L	.1	J						
URANIUM, TOTAL				6.3 UG/L	.4	-	6.7 UG/L	.5	J	5.4 UG/L		NV	5.5 UG/L		NV
URANIUM-234				2.9 PCI/L	.8	-	2.8 PCI/L	.5	J						
THORIUM-230				.3 PCI/L	.2	UJ	.3 PCI/L	.2	J						

SAMPLE NUMBER:	070007			GW930515-8			GW930515-8			GW930515-8			GW930515-8		
LAB:	IT/MWL			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	U-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
RADIUM-226				1 PCI/L	.2	UJ	1 PCI/L	.1	U						
URANIUM-235/236				.2 PCI/L	.8	U	.2 PCI/L	.5	UJ						
THORIUM-232				.5 PCI/L	.2	J	.5 PCI/L	.2	J						
THORIUM, TOTAL							4.56005148 PCI/L	.2	NV						
RADIUM-228				3 PCI/L	.9	U	3 PCI/L	.7	U						
THORIUM-228				.3 PCI/L	.1	UJ	.3 PCI/L	.2	J						
TECHNETIUM-99				15 PCI/L	8.7	UJ	15 PCI/L	8.7	UJ						
GROSS ALPHA				7.6 PCI/L	4.1	NV	6.6 PCI/L	3.7	UNV						
GROSS BETA				8.1 PCI/L	4.7	UNV	7.8 PCI/L	4.5	UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930515-8	GW930515-8	004390	004391	004393
TASK:	50.03.23	50.03.23	3.2.4	3.2.4	3.2.4
LAB:	NET	NET	IT	IT	IT
WELL OR BORING NUMBER:	1675	1675	1675	1675	1675
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-MAY-93	15-MAY-93	19-JUN-91	25-JUN-91	26-JUN-91
NORTH COORDINATE:	481182.8	481182.8	481182.8	481182.8	481182.8
EAST COORDINATE:	1381060.63	1381060.63	1381060.63	1381060.63	1381060.63
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	F-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				420 MG/L		-									
AMMONIA				.04 MG/L		U									
BICARBONATE ALKALINITY				543 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				13 MG/L		-	14.2 MG/L		-						
FLUORIDE				.56 MG/L		-	.8 MG/L		-						
NITRATE/NITRITE				.02 MG/L		U									
PH				7.15 SU		-	.01 MG/L		UJ						
PHENOLS				.01 MG/L		U	.01 MG/L		UJ						
PHOSPHORUS				.1 MG/L		-									
SPECIFIC CONDUCTIVITY				1170 UMHOS/CM		-									
SULFATE				339 MG/L		J	282 MG/L		R						
TOTAL DISSOLVED SOLIDS	905 MG/L		-												
TOTAL KJELDAHL NITROGEN				.17 MG/L		-									
TOTAL ORGANIC CARBON				2 MG/L		-									
TOTAL ORGANIC HALOGENS				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.13 MG/L		-									
TOTAL SOLIDS				934 MG/L		-									
INORGANICS															
ALUMINUM	.02 MG/L		U	.45 MG/L		-							.154 MG/L		J
ANTIMONY	.045 MG/L		UJ	.045 MG/L		U							.103 MG/L		J
ARSENIC	.002 MG/L		UJ	.002 MG/L		U							.002 MG/L		UJ
BARIUM	.039 MG/L		-	.042 MG/L		-							.0563 MG/L		R
BERYLLIUM	.001 MG/L		U	.001 MG/L		U							.002 MG/L		U
CADMIUM	.003 MG/L		U	.003 MG/L		U							.0116 MG/L		-
CALCIUM	13.5 MG/L		-	168 MG/L		-							163 MG/L		-
CHROMIUM	.005 MG/L		U	.0114 MG/L		J							.0404 MG/L		J
COBALT	.008 MG/L		U	.008 MG/L		U							.0107 MG/L		-
COPPER	.0251 MG/L		U	.039 MG/L		-							.0145 MG/L		-
CYANIDE	.01 MG/L		UJ	.01 MG/L		U									

SAMPLE NUMBER:	GW930515-8			GW930515-8			004390			004391			004393		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	.0334 MG/L		U	1.32 MG/L		-							.0562 MG/L		J
LEAD	.003 MG/L		J	.0127 MG/L		-							.014 MG/L		J
MAGNESIUM	69.6 MG/L		-	77.5 MG/L		-							76.3 MG/L		-
MANGANESE	.214 MG/L		J	.171 MG/L		J							.232 MG/L		-
MERCURY	.0002 MG/L		U	.0002 MG/L		U				.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM													.0246 MG/L		J
NICKEL	.0264 MG/L		-	.02 MG/L		U							.0388 MG/L		-
POTASSIUM	2.25 MG/L		-	2.81 MG/L		-							6.89 MG/L		J
SELENIUM	.001 MG/L		U	.0021 MG/L		J							.002 MG/L		UJ
SILICON													5.24 MG/L		J
SILVER	.007 MG/L		U	.007 MG/L		U							.034 MG/L		J
SODIUM	10.4 MG/L		-	10.2 MG/L		-							15.2 MG/L		J
THALLIUM	.002 MG/L		U	.002 MG/L		U							.002 MG/L		R
VANADIUM	.003 MG/L		U	.003 MG/L		U							.0219 MG/L		J
ZINC	.0259 MG/L		U	.0626 MG/L		-							.022 MG/L		-
PESTICIDES															
4,4'-DDD							.1 UG/L		UJ						
4,4'-DDE							.1 UG/L		UJ						
4,4'-DDT							.1 UG/L		UJ						
ALDRIN							.05 UG/L		UJ						
ALPHA-BHC							.05 UG/L		UJ						
ALPHA-CHLORDANE							.5 UG/L		UJ						
AROCLOR-1016							.5 UG/L		UJ						
AROCLOR-1221							.5 UG/L		UJ						
AROCLOR-1232							.5 UG/L		UJ						
AROCLOR-1242							.5 UG/L		UJ						
AROCLOR-1248							.5 UG/L		UJ						
AROCLOR-1254							1 UG/L		UJ						
AROCLOR-1260							1 UG/L		UJ						
BETA-BHC							.05 UG/L		UJ						
DELTA-BHC							.05 UG/L		UJ						
DIELDRIN							.1 UG/L		UJ						
ENDOSULFAN II							.1 UG/L		UJ						
ENDOSULFAN SULFATE							.1 UG/L		UJ						
ENDOSULFAN-I							.05 UG/L		UJ						
ENDRIN							.1 UG/L		UJ						
ENDRIN KETONE							.1 UG/L		UJ						
GAMMA-BHC (LINDANE)							.05 UG/L		UJ						
GAMMA-CHLORDANE							.5 UG/L		UJ						
HEPTACHLOR							.05 UG/L		UJ						
HEPTACHLOR EPOXIDE							.05 UG/L		UJ						
METHOXYCHLOR							.5 UG/L		UJ						
TOXAPHENE							1 UG/L		UJ						

VOLATILES

1,1,1-TRICHLOROETHANE 10 UG/L UJ

10/02/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	GW930515-8	GW930515-8	004390	004391	004393
LAB:	NET	NET	IT	IT	IT
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	F-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		UJ									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	004393	GW930512-10	GW930512-10	GW930512-10	GW930512-10
TASK:	3.2.4	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	1675	1676	1676	1676	1676
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-JUN-91	12-MAY-93	12-MAY-93	12-MAY-93	12-MAY-93
NORTH COORDINATE:	481182.8	481187.51	481187.51	481187.51	481187.51
EAST COORDINATE:	1381060.63	1380979.41	1380979.41	1380979.41	1380979.41
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UJ												
CHLORIDE	13 MG/L		J												
FLUORIDE	.72 MG/L		J												
NITRATE	136 MG/L		J												
PHOSPHORUS	.14 MG/L		J												
SULFATE	271 MG/L		R												
SULFIDE	.5 MG/L		UJ												
TOTAL ORGANIC CARBON	3.26 MG/L		J												
TOTAL ORGANIC HALIDES	.01 MG/L		R												
TOTAL ORGANIC NITROGEN	.1 MG/L		UJ												
INORGANICS															
ALUMINUM	1.99 MG/L		J												
ANTIMONY	.112 MG/L		J												
ARSENIC	.002 MG/L		UJ												
BARIUM	.0521 MG/L		R												
BERYLLIUM	.002 MG/L		U												
CADMIUM	.0125 MG/L		-												
CALCIUM	189 MG/L		-												
CHROMIUM	.0504 MG/L		J												
COBALT	.0138 MG/L		-												
COPPER	.026 MG/L		-												
CYANIDE	.032 MG/L		-												
IRON	4.6 MG/L		J												
LEAD	.004 MG/L		J												
MAGNESIUM	82.6 MG/L		-												
MANGANESE	.394 MG/L		-												
MOLYBDENUM	.0284 MG/L		J												
NICKEL	.0545 MG/L		-												
POTASSIUM	6.52 MG/L		J												
SELENIUM	.01 MG/L		UJ												

SAMPLE NUMBER:	004393			GW930512-10			GW930512-10			GW930512-10			GW930512-10		
LAB:	IT			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SILICON	7.33 MG/L		J												
SILVER	.0389 MG/L		J												
SODIUM	10.4 MG/L		J												
THALLIUM	.002 MG/L		R												
VANADIUM	.0297 MG/L		J												
ZINC	.0383 MG/L		-												
RADIONUCLIDES															
URANIUM-238				8.1 PCI/L	1.5	-	4.1 PCI/L	.2	J						
URANIUM, TOTAL				28.7 UG/L	2	-	26.4 UG/L	1.8	-	21 UG/L		NV	21 UG/L		NV
URANIUM-234				9 PCI/L	1.6	-	4.5 PCI/L	.5	J						
THORIUM-230				.3 PCI/L	.1	UJ	.6 PCI/L	.2	J						
RADIUM-226				.2 PCI/L	.1	R	1 PCI/L	.3	U						
URANIUM-235/236				.5 PCI/L	.8	-	.2 PCI/L	.5	UJ						
THORIUM-232				.3 PCI/L	.1	J	.6 PCI/L	.2	J						
THORIUM, TOTAL				2.736 PCI/L	.1	NV	5.47202976 PCI/L	.2	NV						
RADIUM-228				3 PCI/L	1	U	3 PCI/L	1.1	U						
THORIUM-228				.2 PCI/L	.1	UJ	.3 PCI/L	.1	UJ						
TECHNETIUM-99				32.2 PCI/L	11	J	32.2 PCI/L	11	J						
GROSS ALPHA				16.3 PCI/L	5	NV	41.7 PCI/L	26.2	UNV						
GROSS BETA				17.3 PCI/L	4.4	NV	41.9 PCI/L	25.2	UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930512-10	GW930512-10	004389	004392	004394
TASK:	50.03.23	50.03.23	3.2.4	3.2.4	3.2.4
LAB:	LOCKHEED	LOCKHEED	IT	IT	IT
WELL OR BORING NUMBER:	1676	1676	1676	1676	1676
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-MAY-93	12-MAY-93	19-JUN-91	25-JUN-91	26-JUN-91
NORTH COORDINATE:	481187.51	481187.51	481187.51	481187.51	481187.51
EAST COORDINATE:	1380979.41	1380979.41	1380979.41	1380979.41	1380979.41
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	F-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				480 MG/L		-									
AMMONIA				.16 MG/L		-	.1 MG/L		U						
BICARBONATE ALKALINITY				480 MG/L		-									
CARBONATE ALKALINITY				30 MG/L		U									
CHLORIDE				34 MG/L		-									
FLUORIDE				.75 MG/L		-									
NITRATE/NITRITE				.05 MG/L		U									
PH				7.3 SU		-	.01 MG/L		UJ						
PHENOLS				.15 MG/L		U	.01 MG/L		UJ						
PHOSPHORUS				.79 MG/L		-									
SPECIFIC CONDUCTIVITY				1300 UMHOS/CM		-									
SULFATE				250 MG/L		-									
TOTAL DISSOLVED SOLIDS	880 MG/L		-												
TOTAL ORGANIC CARBON				10 MG/L		U									
TOTAL ORGANIC HALIDES				.045 MG/L		U	.01 MG/L		UR						
TOTAL ORGANIC NITROGEN				.603 MG/L		-	.1 MG/L		U						
TOTAL SOLIDS				1200 MG/L		-									
INORGANICS															
ALUMINUM	.024 MG/L		U	4.95 MG/L		-							.152 MG/L		J
ANTIMONY	.027 MG/L		U	.027 MG/L		U							.0716 MG/L		J
ARSENIC	.002 MG/L		U	.0038 MG/L		J							.002 MG/L		U
BARIUM	.0367 MG/L		-	.0697 MG/L		-							.0603 MG/L		R
BERYLLIUM	.001 MG/L		U	.001 MG/L		U							.002 MG/L		U
CADMIUM	.0024 MG/L		UJ	.002 MG/L		U							.0116 MG/L		-
CALCIUM	140 MG/L		-	186 MG/L		-							133 MG/L		
CHROMIUM	.004 MG/L		U	.014 MG/L		U							.0381 MG/L		
COBALT	.005 MG/L		U	.005 MG/L		U							.01 MG/L		
COPPER	.003 MG/L		U	.0136 MG/L		U							.0141 MG/L		
CYANIDE	.02 MG/L		UJ	.02 MG/L		UJ	.01 MG/L		U						
IRON	.0104 MG/L		-	11.5 MG/L		-							.0492 MG/L		

00082

SAMPLE NUMBER:	GW930512-10	GW930512-10	004389	004392	004394
LAB:	LOCKHEED	LOCKHEED	IT	IT	IT
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	F-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD	.002 MG/L		U	.0026 MG/L		U							.002 MG/L		U
MAGNESIUM	79.3 MG/L		-	97.8 MG/L		-							73.9 MG/L		-
MANGANESE	.139 MG/L		-	.499 MG/L		-							.146 MG/L		-
MERCURY	.0002 MG/L		U	.0002 MG/L		U				.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM	.011 MG/L		U	.011 MG/L		U							.0204 MG/L		J
NICKEL	.011 MG/L		U	.0159 MG/L		-							.0327 MG/L		-
POTASSIUM	4.64 MG/L		-	6.91 MG/L		-							6 MG/L		J
SELENIUM	.001 MG/L		UJ	.0011 MG/L		J							.002 MG/L		U
SILICON													6.88 MG/L		J
SILVER	.004 MG/L		U	.004 MG/L		U							.0324 MG/L		J
SODIUM	40.9 MG/L		-	47.7 MG/L		-							32.9 MG/L		-
THALLIUM	.003 MG/L		UJ	.003 MG/L		U							.002 MG/L		R
VANADIUM	.004 MG/L		U	.0054 MG/L		-							.0223 MG/L		J
ZINC	.003 MG/L		U	.0312 MG/L		U							.0157 MG/L		-
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		UJ									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		UJ									
4-METHYL-2-PENTANONE				10 UG/L		UJ									
ACETONE				10 UG/L		UJ									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									

SAMPLE NUMBER:	GW930512-10			GW930512-10			004389			004392			004394		
LAB:	LOCKHEED			LOCKHEED			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	004394	118677	118679	118680	047005
TASK:	3.2.4	50.03.23	50.03.23	50.03.23	20.03.01
LAB:	IT	DATACHEM	FERMCO	CORE	IT/MWL
WELL OR BORING NUMBER:	1676	1685	1685	1685	1711
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-JUN-91	05-AUG-93	05-AUG-93	05-AUG-93	11-JUN-92
NORTH COORDINATE:	481187.51	478498.46	478498.46	478498.46	478126.52
EAST COORDINATE:	1380979.41	1380433.06	1380433.06	1380433.06	1378968.88
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	F-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE	10.9 MG/L		J												
FLUORIDE	.1 MG/L		UJ												
NITRATE	108 MG/L		J												
SULFATE	197 MG/L		R												
SULFIDE	.5 MG/L		UJ												
TOTAL ORGANIC CARBON	3.28 MG/L		J												
INORGANICS															
ALUMINUM	.62 MG/L		J										.0516 MG/L		-
ANTIMONY	.1 MG/L		J										.03 MG/L		UJ
ARSENIC	.002 MG/L		UJ										.05 MG/L		UJ
BARIUM	.0566 MG/L		R										.154 MG/L		-
BERYLLIUM	.002 MG/L		U										.002 MG/L		U
CADMIUM	.0107 MG/L		-										.005 MG/L		UJ
CALCIUM	138 MG/L		-										233 MG/L		-
CHROMIUM	.0376 MG/L		J										.01 MG/L		U
COBALT	.0102 MG/L		-										.0275 MG/L		-
COPPER	.0163 MG/L		-										.01 MG/L		U
IRON	1.39 MG/L		J										11.3 MG/L		-
LEAD	.0102 MG/L		J										.04 MG/L		UJ
MAGNESIUM	73.4 MG/L		-										49.4 MG/L		-
MANGANESE	.21 MG/L		-										3.76 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM	.0242 MG/L		J										.0878 MG/L		-
NICKEL	.0365 MG/L		-										2.43 MG/L		-
POTASSIUM	5.58 MG/L		J										34 MG/L		-
SELENIUM	.01 MG/L		UJ										.08 MG/L		UJ
SILICON	7.75 MG/L		J										19.2 MG/L		-
SILVER	.0304 MG/L		J										.01 MG/L		UJ
SODIUM	32.8 MG/L		-										59.5 MG/L		-
THALLIUM	.002 MG/L		R										.422 MG/L		J

SAMPLE NUMBER:	004394			118677			118679			118680			047005		
LAB:	IT			DATACHEM			FERMCO			CORE			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
VANADIUM	.0218 MG/L		J										.01 MG/L		U
ZINC	.0196 MG/L		-										.0119 MG/L		-
RADIONUCLIDES															
URANIUM-238										1.6 PCI/L	.4	J			
URANIUM, TOTAL										8.4 UG/L	.6	-			
URANIUM-234										2 PCI/L	.9	J			
THORIUM-230										.1 PCI/L	.2	R			
RADIUM-226										1 PCI/L	.4	U			
URANIUM-235/236										.2 PCI/L	.6	UJ			
THORIUM-232										.1 PCI/L	.2	R			
RADIUM-228										3 PCI/L	1.1	U			
THORIUM-228										.1 PCI/L	.3	R			
GROSS ALPHA							240 PCI/L		UNV						
GROSS BETA							460 PCI/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		UJ									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									

000286

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SAMPLE NUMBER:	004394			118677			118679			118680			047005		
LAB:	IT			DATACHEM			FERMCO			CORE			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	047009			GW930707-2			GW930707-2			GW930707-2			GW930707-2			GW930707-2		
TASK:	20.03.01			50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	IT			CORE			FERMCO			TCT			TCT			TCT		
WELL OR BORING NUMBER:	1711			1719			1719			1719			1719			1719		
DEPTH:	-			-			-			-			-			-		
DATE COLLECTED:	19-JUN-92			07-JUL-93			07-JUL-93			07-JUL-93			07-JUL-93			07-JUL-93		
NORTH COORDINATE:	478126.52			482215.57			482215.57			482215.57			482215.57			482215.57		
EAST COORDINATE:	1378968.88			1379699.18			1379699.18			1379699.18			1379699.18			1379699.18		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:																		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF					
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)			
GENERAL CHEMISTRY																		
ALKALINITY AS CACO3													430 MG/L		-			
AMMONIA													.239 MG/L		-			
CHLORIDE													3.69 MG/L		-			
FLUORIDE													.69 MG/L		-			
NITRATE/NITRITE													.0585 MG/L		-			
PHOSPHATE													.13 MG/L		R			
SULFATE													583 MG/L		-			
TOTAL KJELDAHL NITROGEN													.362 MG/L		-			
TOTAL ORGANIC NITROGEN													.123 MG/L		-			
INORGANICS																		
ALUMINUM	.03 MG/L		U							19.9 MG/L		J	18 MG/L		J			
ANTIMONY	.03 MG/L		UJ							.014 MG/L		U	.014 MG/L		U			
ARSENIC	.05 MG/L		UJ							.002 MG/L		UJ	.012 MG/L		-			
BARIUM	.133 MG/L		-							.118 MG/L		-	.13 MG/L		-			
BERYLLIUM	.002 MG/L		U							.0149 MG/L		R	.0282 MG/L		-			
CADMIUM	.005 MG/L		U							.0055 MG/L		-	.0082 MG/L		-			
CALCIUM	213 MG/L		-							696 MG/L		-	848 MG/L		-			
CHROMIUM	.01 MG/L		U							.02 MG/L		J	.014 MG/L		J			
COBALT	.0733 MG/L		-							.037 MG/L		-	.031 MG/L		-			
COPPER	.01 MG/L		U							.0674 MG/L		-	.0741 MG/L		-			
CYANIDE													.005 MG/L		U			
IRON	25.5 MG/L		-							60.2 MG/L		-	63.3 MG/L		-			
LEAD	.04 MG/L		UJ							.0869 MG/L		J	.0582 MG/L		J			
MAGNESIUM	44.3 MG/L		-							190 MG/L		-	218 MG/L		-			
MANGANESE	3.85 MG/L		-							2.96 MG/L		-	3.6 MG/L		-			
MERCURY	.0002 MG/L		U							.0001 MG/L		U	.00026 MG/L		U			
MOLYBDENUM	.147 MG/L		-							.017 MG/L		UJ	.017 MG/L		UJ			
NICKEL	1.02 MG/L		-							.0669 MG/L		J	.0634 MG/L		J			
POTASSIUM	23.1 MG/L		-							6.92 MG/L		J	5.93 MG/L		J			
SELENIUM	.08 MG/L		UJ							.005 MG/L		UR	.005 MG/L		UJ			

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SAMPLE NUMBER:	047009			GW930707-2			GW930707-2			GW930707-2			GW930707-2		
LAB:	IT			CORE			FERMCO			TCT			TCT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SILICON	20.1 MG/L		-							29.6 MG/L		J	20.5 MG/L		J
SILVER	.01 MG/L		UJ							.002 MG/L		U	.0077 MG/L		-
SODIUM	39.1 MG/L		-							79 MG/L		-	82.9 MG/L		-
THALLIUM	.435 MG/L		J							.005 MG/L		UJ	.005 MG/L		UJ
VANADIUM	.01 MG/L		U							.0955 MG/L		-	.104 MG/L		-
ZINC	.0138 MG/L		-							.156 MG/L		-	.146 MG/L		-
RADIONUCLIDES															
URANIUM-238				1 PCI/L	.3	J									
URANIUM, TOTAL	555 UG/L		NV	2.6 UG/L	.2	-									
URANIUM-234				2.1 PCI/L	.4	J									
THORIUM-230				.2 PCI/L	.2	UJ									
RADIUM-226				1 PCI/L	.3	UJ									
URANIUM-235/236				.2 PCI/L	.5	UJ									
THORIUM-232				.2 PCI/L	.4	U									
THORIUM, TOTAL				.9120122 PCI/L	.4	NV									
RADIUM-228				3 PCI/L	1.3	U									
THORIUM-228				.2 PCI/L	.4	U									
TECHNETIUM-99				15 PCI/L	5.6	U									
GROSS ALPHA							390 PCI/L		UNV						
GROSS BETA							470 PCI/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		UJ
2-HEXANONE													10 UG/L		UJ
4-METHYL-2-PENTANONE													10 UG/L		UJ
ACETONE													13 UG/L		J
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U

SAMPLE NUMBER:	047009			GW930707-2			GW930707-2			GW930707-2			GW930707-2		
LAB:	IT			CORE			FERMCO			TCT			TCT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													8 UG/L		J
VINYL ACETATE													10 UG/L		UJ
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	047006	047006	120278	120279	120602
TASK:	20.03.01	20.03.01	50.03.23	50.03.23	50.03.23
LAB:	IT-KNOX	IT	DATACHEM	CORE	CORE
WELL OR BORING NUMBER:	1719	1719	1728	1728	1728
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-JUN-92	09-JUN-92	24-JUL-93	24-JUL-93	30-JUL-93
NORTH COORDINATE:	482215.57	482215.57	483308.25	483308.25	483308.25
EAST COORDINATE:	1379699.18	1379699.18	1377966.74	1377966.74	1377966.74
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	535 MG/L		J												
AMMONIA	.3 MG/L		-												
CHLORIDE	25.2 MG/L		J												
FLUORIDE	.56 MG/L		J												
NITRATE/NITRITE	.1 MG/L		U												
PH	7.29 SU		-												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.05 MG/L		-												
SULFATE	296.2 MG/L		J												
SULFIDE	.5 MG/L		U												
TOTAL ORGANIC CARBON	7.34 MG/L		-												
TOTAL ORGANIC HALIDES	.0612 MG/L		-												
TOTAL ORGANIC NITROGEN	.1 MG/L		UJ												
INORGANICS															
ALUMINUM				.03 MG/L		U	183 MG/L		R						
ANTIMONY				.03 MG/L		UJ	.045 MG/L		R						
ARSENIC				.05 MG/L		UJ	.0228 MG/L		R						
BARIUM				.116 MG/L		-	1.08 MG/L		R						
BERYLLIUM				.002 MG/L		U	.0095 MG/L		R						
CADMIUM				.005 MG/L		UJ	.003 MG/L		R						
CALCIUM				114 MG/L		-	469 MG/L		R						
CHROMIUM				.01 MG/L		U	.283 MG/L		R						
COBALT				.01 MG/L		U	.168 MG/L		R						
COPPER				.01 MG/L		U	.352 MG/L		R						
IRON				1.15 MG/L		-	358 MG/L		R						
LEAD				.04 MG/L		UJ	.129 MG/L		R						
MAGNESIUM				82.4 MG/L		-	487 MG/L		R						
MANGANESE				.238 MG/L		-	7.48 MG/L		R						
MERCURY				.0002 MG/L		U	.0002 MG/L		R						
MOLYBDENUM				.0377 MG/L		-									

SAMPLE NUMBER:	047006			047006			120278			120279			120602		
LAB:	IT-KNOX			IT			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				5 UG/L		U									
DIBROMOCHLOROMETHANE				5 UG/L		U									
ETHYLBENZENE				5 UG/L		U									
METHYLENE CHLORIDE				5 UG/L		U									
STYRENE				5 UG/L		U									
TETRACHLOROETHENE				5 UG/L		U									
TOLUENE				5 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U									
TRICHLOROETHENE				5 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				5 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120276	120277	118525	120600	120600F
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	DATACHEM	CORE	FERMCO	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	1733	1733	1733	1733	1733
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-JUL-93	24-JUL-93	28-MAY-93	30-JUL-93	30-JUL-93
NORTH COORDINATE:	477080.44	477080.44	477080.44	477080.44	477080.44
EAST COORDINATE:	1383156.49	1383156.49	1383156.49	1383156.49	1383156.49
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										430 MG/L		-			
CHLORIDE										12 MG/L		-			
FLUORIDE										.5 MG/L		-			
NITRATE/NITRITE										1.2 MG/L		J			
SULFATE										120 MG/L		-			
INORGANICS															
ALUMINUM	.826 MG/L		R										.0141 MG/L		U
ANTIMONY	.045 MG/L		R										.045 MG/L		U
ARSENIC	.0014 MG/L		R										.001 MG/L		U
BARIUM	.155 MG/L		R										.158 MG/L		-
BERYLLIUM	.0016 MG/L		R										.001 MG/L		U
CADMIUM	.003 MG/L		R										.003 MG/L		U
CALCIUM	105 MG/L		R										97 MG/L		-
CHROMIUM	.0368 MG/L		R										.0118 MG/L		U
COBALT	.006 MG/L		R										.006 MG/L		U
COPPER	.0111 MG/L		R										.0134 MG/L		U
IRON	1.75 MG/L		R										.0375 MG/L		U
LEAD	.0014 MG/L		R										.0014 MG/L		-
MAGNESIUM	48.8 MG/L		R										47.4 MG/L		-
MANGANESE	.0421 MG/L		R										.011 MG/L		U
MERCURY	.0002 MG/L		R										.0002 MG/L		U
NICKEL	.033 MG/L		R										.019 MG/L		U
POTASSIUM	2.64 MG/L		R										2.06 MG/L		-
SELENIUM	.0024 MG/L		R										.002 MG/L		U
SILVER	.0039 MG/L		R										.003 MG/L		U
SODIUM	91.1 MG/L		R										65.4 MG/L		-
THALLIUM	.001 MG/L		R										.002 MG/L		-
VANADIUM	.0047 MG/L		R										.004 MG/L		U
ZINC	.0202 MG/L		R										.0132 MG/L		-

RADIONUCLIDES

URANIUM-238 1.6 PCI/L .5 R
10/02/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

DRAFT
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SAMPLE NUMBER:	120276			120277			118525			120600			120600F		
LAB:	DATACHEM			CORE			FERMCO			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL				4.4 UG/L	.3	R	9.2 UG/L		R						
URANIUM-234				5.1 PCI/L	.8	R									
THORIUM-230				.2 PCI/L	.2	R									
RADIUM-226				1 PCI/L		R									
URANIUM-235/236				.2 PCI/L	.3	R									
THORIUM-232				.2 PCI/L	.2	R									
THORIUM, TOTAL				.91200496 PCI/L	.2	R									
RADIUM-228				3 PCI/L		R									
THORIUM-228				13.8 PCI/L		R									
TECHNETIUM-99				15 PCI/L		R									

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120601	063945	063945	123025	063900
TASK:	50.03.23	10.03.01	10.03.01	10.03.08	10.03.01
LAB:	CORE	IT	IT	IT	IT
WELL OR BORING NUMBER:	1733	1765	1765	1765	1765
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-JUL-93	14-NOV-91	14-NOV-91	24-JUN-93	26-AUG-91
NORTH COORDINATE:	477080.44	481377.7	481377.7	481377.7	481377.7
EAST COORDINATE:	1383156.49	1378289.96	1378289.96	1378289.96	1378289.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
BROMIDE				1 MG/L		U									
DIOXINS/FURANS															
1,4-DIOXANE				200 UG/L		R							64.9 UG/L		J
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				5 MG/L		U									
AMMONIA				.571 MG/L		U							.494 MG/L		-
CHLORIDE				.5 MG/L		U							5400 MG/L		-
FLUORIDE				.4 MG/L		U							8.55 MG/L		-
NITRATE				.4 MG/L		U							82.4 MG/L		-
PH				7.77 SU		-				10 UG/L		U	.43 MG/L		-
PHOSPHATE				1 MG/L		U									
PHOSPHORUS													.43 MG/L		-
SULFATE				1.87 MG/L		-							2 MG/L		U
SULFIDE				.5 MG/L		U							1 MG/L		U
TOTAL ORGANIC CARBON				1 MG/L		U							28.9 MG/L		-
HERBICIDES															
2,4,5-T				200 UG/L		U				25 UG/L		UR	2 UG/L		U
2,4,5-TP (SILVEX)													1.8 UG/L		U
2,4-D				40 UG/L		U				10 UG/L		UR	10 UG/L		U
INORGANICS															
ALUMINUM							1.11 MG/L		J	5.32 MG/L		J	.508 MG/L		-
ANTIMONY							.0984 MG/L		-	.005 MG/L		UJ	.111 MG/L		J
ARSENIC							.002 MG/L		U	.004 MG/L		UJ	.0033 MG/L		-
BARIUM							.563 MG/L		J	2.67 MG/L		-	2.01 MG/L		-

SAMPLE NUMBER:	120601			063945			063945			123025			063900		
LAB:	CORE			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM							.004 MG/L		J	.002 MG/L		U	.0032 MG/L		-
BORON							.228 MG/L		J				.24 MG/L		-
CADMIUM							.01 MG/L		UJ	.005 MG/L		U	.02 MG/L		U
CALCIUM							1910 MG/L		-	2860 MG/L		-	3040 MG/L		-
CHROMIUM							.159 MG/L		-	.0337 MG/L		-	.129 MG/L		J
COBALT							.0204 MG/L		J	.01 MG/L		U	.0241 MG/L		J
COPPER							.0629 MG/L		J	.0143 MG/L		-	.0469 MG/L		-
CYANIDE										.44 MG/L		-			
IRON							.587 MG/L		J	2.66 MG/L		-	.0941 MG/L		-
LEAD							.0048 MG/L		J	.0116 MG/L		U	.002 MG/L		U
MAGNESIUM							33 MG/L		-	113 MG/L		-	.738 MG/L		-
MANGANESE							.0444 MG/L		-	.23 MG/L		-	.018 MG/L		J
MERCURY							.0002 MG/L		U	.00053 MG/L		J			
MOLYBDENUM							.0324 MG/L		J	.0316 MG/L		-	.0357 MG/L		-
NICKEL							.0526 MG/L		J	.0391 MG/L		-	.0358 MG/L		J
POTASSIUM							130 MG/L		-	282 MG/L		-	296 MG/L		-
SELENIUM							.002 MG/L		UJ	.0124 MG/L		-	.0134 MG/L		-
SILICON							1.73 MG/L		J	13.3 MG/L		-	.575 MG/L		-
SILVER							.116 MG/L		J	.01 MG/L		U	.111 MG/L		-
SODIUM							635 MG/L		-	551 MG/L		-	631 MG/L		-
THALLIUM							.002 MG/L		UJ	.01 MG/L		UR	.02 MG/L		UJ
TIN							.2 MG/L		U				.2 MG/L		U
VANADIUM							.0791 MG/L		J	.01 MG/L		U	.0725 MG/L		J
ZINC							.0187 MG/L		UJ	.05 MG/L		-	.0165 MG/L		-
No sort code listed.															
1,2,3-TRICHLOROPROPANE				10 UG/L		U							5 UG/L		U
1,2,4,5-TETRACHLOROBENZENE				40 UG/L		U									
1,2-DIBROMO-3-CHLOROPROPANE				10 UG/L		U							10 UG/L		UJ
1,2-DIBROMOETHANE				10 UG/L		U							5 UG/L		U
1,3,5-TRINITROBENZENE				40 UG/L		UJ									
1,3-DINITROBENZENE				40 UG/L		U									
1,4-NAPHTHOQUINONE				40 UG/L		UJ									
1-NAPHTHYLAMINE				480 UG/L		U									
2,3,4,6-TETRACHLOROPHENOL				40 UG/L		U									
2,6-DICHLOROPHENOL				40 UG/L		UJ									
2-ACETYLAMINOFLUORENE				40 UG/L		U									
2-CHLORO-1,3-BUTADIENE				10 UG/L		U							5 UG/L		UJ
2-NAPHTHYLAMINE				680 UG/L		U									
2-PICOLINE				280 UG/L		U									
3,3'-DIMETHYLBENZIDINE				320 UG/L		U									
3-CHLOROPROPENE				10 UG/L		UJ							5 UG/L		UJ
3-METHYLCHOLANTHRENE				120 UG/L		U									
3-METHYLPHENOL				40 UG/L		U									
4-AMINOBIPHENYL				200 UG/L		U									
4-CHLOROANILINE				40 UG/L		U									

SAMPLE NUMBER:	120601			063945			063945			123025			063900		
LAB:	CORE			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
4-NITROQUINOLINE-1-OXIDE				40 UG/L		R									
5-NITRO-O-TOLUIDINE				80 UG/L		U									
7,12-DIMETHYLBENZ(A)ANTHRAC ENE				80 UG/L		U									
A,A-DIMETHYLPHENETHYLAMINE				40 UG/L		UJ									
ACETONITRILE				20 UG/L		U							1000 UG/L		R
ACETOPHENONE				40 UG/L		U									
ACROLEIN				20 UG/L		UJ							10 UG/L		R
ACROLEIN				20 UG/L		UJ							10 UG/L		R
ACRYLONITRILE				20 UG/L		R							10 UG/L		R
ANILINE				200 UG/L		U									
ARAMITE				40 UG/L		UJ									
DIALLATE				40 UG/L		R									
DIBROMOMETHANE				10 UG/L		U							10 UG/L		U
DICHLORODIFLUOROMETHANE				200 UG/L		R							200 UG/L		UJ
DINOSEB				80 UG/L		UJ							.7 UG/L		U
DIPHENYLAMINE				40 UG/L		U									
ETHYL CYANIDE				10 UG/L		U							100 UG/L		R
ETHYL METHACRYLATE				10 UG/L		U							10 UG/L		U
ETHYL METHANESULFONATE				40 UG/L		U									
HEXACHLOROPHENE				200 UG/L		UJ									
HEXACHLOROPROPENE				80 UG/L		UJ									
IODOMETHANE				10 UG/L		U							5 UG/L		U
ISODRIN													.05 UG/L		U
ISOSAFROLE				40 UG/L		U									
KEPONE													.1 UG/L		U
METHACRYLONITRILE				10 UG/L		U							10 UG/L		R
METHAPYRILENE				160 UG/L		UJ									
METHYL METHACRYLATE				10 UG/L		U							10 UG/L		UJ
METHYL METHANESULFONATE				40 UG/L		UJ									
N-NITROSODI-N-BUTYLAMINE				80 UG/L		R									
N-NITROSODIETHYLAMINE				40 UG/L		UJ									
N-NITROSOMETHYLETHYLAMINE				40 UG/L		U									
N-NITROSOMORPHOLINE				40 UG/L		UJ									
N-NITROSOPIPERIDINE				40 UG/L		UJ									
N-NITROSOPYRROLIDINE				40 UG/L		UJ									
O-TOLUIDINE				40 UG/L		U									
P-DIMETHYLAMINOAZOBENZENE				120 UG/L		UJ									
P-PHENYLENEDIAMINE				200 UG/L		UJ									
PENTACHLOROBENZENE				80 UG/L		U									
PENTACHLOROETHANE				80 UG/L		U									
PENTACHLORONITROBENZENE				80 UG/L		U									
PHENACETIN				40 UG/L		U									
PRONAMIDE				120 UG/L		U									
SAFROLE				40 UG/L		UJ									
TRANS-1,4-DICHLORO-2-BUTENE				10 UG/L		UJ							100 UG/L		U

SAMPLE NUMBER:	120601			063945			063945			123025			063900		
LAB:	CORE			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDD													.1 UG/L		U
4,4'-DDE													.1 UG/L		U
4,4'-DDT													.1 UG/L		U
ALDRIN													.05 UG/L		U
ALPHA-BHC													.05 UG/L		U
ALPHA-CHLORDANE													.5 UG/L		U
AROCLOR-1016													.5 UG/L		U
AROCLOR-1221													.5 UG/L		U
AROCLOR-1232													.5 UG/L		U
AROCLOR-1242													.5 UG/L		U
AROCLOR-1248													.5 UG/L		UJ
AROCLOR-1254													1 UG/L		U
AROCLOR-1260													1 UG/L		U
BETA-BHC													.05 UG/L		U
CHLOROBENZILATE													.1 UG/L		U
DELTA-BHC													.05 UG/L		U
DIELDRIN													.1 UG/L		U
ENDOSULFAN II													.1 UG/L		U
ENDOSULFAN SULFATE													.1 UG/L		U
ENDOSULFAN-I													.05 UG/L		U
ENDRIN													.1 UG/L		U
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.05 UG/L		U
GAMMA-CHLORDANE													.5 UG/L		U
HEPTACHLOR													.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
SULFOTEP				40 UG/L		U									
TOXAPHENE													1 UG/L		U
RADIONUCLIDES															
URANIUM-238	1.2 PCI/L	.8	R				562 PCI/L	66	-	19.5 PCI/L	4.2	-	3.74 PCI/L	.78	J
URANIUM, TOTAL	2.3 UG/L	.2	J				1780 UG/L	240	-	50.2 UG/L	7.5	-	5.06 UG/L	.55	-
URANIUM-234	4.1 PCI/L	.8	R				96.9 PCI/L	15.3	-	11.2 PCI/L	2.5	-	4.32 PCI/L	.85	J
THORIUM-230	.2 PCI/L	.2	UJ							97.2 PCI/L	21.1	-			
RADIUM-226	1 PCI/L	.4	U							164 PCI/L	25	J			
URANIUM-235/236	.1 PCI/L	.1	R				16.8 PCI/L	5.1	-	.724 PCI/L	.291	J	1 PCI/L		UJ
THORIUM-232	.2 PCI/L	.2	UJ							.617 PCI/L	.287	J			
THORIUM, TOTAL										5.63 UG/L	2.59	J			
RADIUM-228	6.4 PCI/L	1.6	-							69.2 PCI/L	26.4	-			
THORIUM-228	.2 PCI/L	.2	UJ							1.27 PCI/L	.46	-			
NEPTUNIUM-237										.537 PCI/L	.321	J	1 PCI/L		R
PLUTONIUM-239/240							1 PCI/L		U	.5 PCI/L	.0525	UJ	1 PCI/L		U

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SAMPLE NUMBER:	120601			063945			063945			123025			063900		
LAB:	CORE			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
PLUTONIUM-238							1 PCI/L		U	.073 PCI/L	.859	R	1 PCI/L		U
STRONTIUM-90							5 PCI/L		U	1.09 PCI/L	.524	J	5 PCI/L		UJ
TECHNETIUM-99	15 PCI/L	7.6	U				30 PCI/L		U	16.8 PCI/L	9.53	UJ	30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R	150 PCI/L		UJ	150 PCI/L		R
CESIUM-137							20 PCI/L		R	17 PCI/L		UJ	20 PCI/L		R
GROSS ALPHA							1023 PCI/L	220	NV						
GROSS BETA							981 PCI/L	128	NV				319 PCI/L	76	NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				40 UG/L		U				10 UG/L		U			
1,2-DICHLOROBENZENE				40 UG/L		U				10 UG/L		U			
1,3-DICHLOROBENZENE				40 UG/L		U				10 UG/L		U			
1,4-DICHLOROBENZENE				40 UG/L		U				10 UG/L		U			
2,4,5-TRICHLOROPHENOL				200 UG/L		U				25 UG/L		UR			
2,4,6-TRICHLOROPHENOL				40 UG/L		U				10 UG/L		UR			
2,4-DICHLOROPHENOL				40 UG/L		U				10 UG/L		UR			
2,4-DIMETHYLPHENOL				40 UG/L		U				10 UG/L		UR			
2,4-DINITROPHENOL				200 UG/L		U				5 UG/L		J			
2,4-DINITROTOLUENE				40 UG/L		U				10 UG/L		U			
2,6-DINITROTOLUENE				40 UG/L		U				10 UG/L		U			
2-CHLORONAPHTHALENE				40 UG/L		U				10 UG/L		U			
2-CHLOROPHENOL				40 UG/L		U				10 UG/L		UR			
2-METHYLNAPHTHALENE				40 UG/L		U				10 UG/L		U			
2-METHYLPHENOL				40 UG/L		U				10 UG/L		UR			
2-NITROANILINE				200 UG/L		U				25 UG/L		U			
2-NITROPHENOL				40 UG/L		U				4 UG/L		J			
3,3'-DICHLOROBENZIDINE				80 UG/L		U				10 UG/L		U			
3-NITROANILINE				200 UG/L		U				25 UG/L		UR			
4,6-DINITRO-2-METHYLPHENOL				200 UG/L		U				3 UG/L		J			
4-BROMOPHENYL PHENYL ETHER				40 UG/L		U				10 UG/L		U			
4-CHLORO-3-METHYLPHENOL				40 UG/L		U				10 UG/L		UR			
4-CHLOROPHENYLPHENYL ETHER				40 UG/L		U				10 UG/L		U			
4-METHYLPHENOL				40 UG/L		U				10 UG/L		UR			
4-NITROANILINE				200 UG/L		U				25 UG/L		U			
4-NITROPHENOL				200 UG/L		U				25 UG/L		UR			
ACENAPHTHENE				40 UG/L		U				10 UG/L		U			
ACENAPHTHYLENE				40 UG/L		U				10 UG/L		U			
ANTHRACENE				40 UG/L		U				10 UG/L		U			
BENZO(A)ANTHRACENE				40 UG/L		U				10 UG/L		U			
BENZO(A)PYRENE				40 UG/L		U				10 UG/L		U			
BENZO(B)FLUORANTHENE				40 UG/L		U				10 UG/L		U			
BENZO(G,H,I)PERYLENE				40 UG/L		U				10 UG/L		U			
BENZO(K)FLUORANTHENE				40 UG/L		U				10 UG/L		U			
BENZOIC ACID				200 UG/L		UJ									
BENZYL ALCOHOL				40 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				40 UG/L		U				10 UG/L		U			

SAMPLE NUMBER:	120601			063945			063945			123025			063900		
LAB:	CORE			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BIS(2-CHLOROETHYL)ETHER				40 UG/L		U				10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER				40 UG/L		U				10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE				40 UG/L		U				10 UG/L		U			
BUTYL BENZYL PHTHALATE				40 UG/L		U				10 UG/L		U			
CARBAZOLE										10 UG/L		U			
CHRYSENE				40 UG/L		U				10 UG/L		U			
DI-N-BUTYL PHTHALATE				40 UG/L		U				10 UG/L		U			
DI-N-OCTYL PHTHALATE				40 UG/L		U				10 UG/L		U			
DIBENZO(A,H)ANTHRACENE				40 UG/L		U				10 UG/L		U			
DIBENZOFURAN				40 UG/L		U				10 UG/L		U			
DIETHYL PHTHALATE				40 UG/L		U				10 UG/L		U			
DIMETHYL PHTHALATE				40 UG/L		U				10 UG/L		U			
FLUORANTHENE				40 UG/L		U				10 UG/L		U			
FLUORENE				40 UG/L		U				10 UG/L		U			
HEXACHLOROBENZENE				40 UG/L		U				10 UG/L		U			
HEXACHLOROBUTADIENE				40 UG/L		U				10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE				40 UG/L		U				10 UG/L		U			
HEXACHLOROETHANE				40 UG/L		U				10 UG/L		U			
INDENO(1,2,3-CD)PYRENE				40 UG/L		U				10 UG/L		U			
ISOPHORONE				40 UG/L		U				10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE				40 UG/L		UJ				10 UG/L		U			
N-NITROSODIMETHYLAMINE				40 UG/L		U									
N-NITROSODIPHENYLAMINE				40 UG/L		U				10 UG/L		U			
NAPHTHALENE				40 UG/L		U				1 UG/L		J			
NITROBENZENE				40 UG/L		U				10 UG/L		U			
O,O,O-TRIETHYLPHOSPHOROTHIO ATE				40 UG/L		UJ									
P-CHLOROANILINE										10 UG/L		U			
PENTACHLOROPHENOL				200 UG/L		U				25 UG/L		UR			
PHENANTHRENE				40 UG/L		U				10 UG/L		U			
PHENOL				40 UG/L		U				10 UG/L		UR			
PYRENE				40 UG/L		U				10 UG/L		U			
PYRIDINE				40 UG/L		U							5000 UG/L		UJ
TRIBUTYL PHOSPHATE				40 UG/L		U									
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				10 UG/L		U							5 UG/L		U
1,1,1-TRICHLOROETHANE				5 UG/L		U				20 UG/L		UJ	21 UG/L		-
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U				10 UG/L		UJ	5 UG/L		U
1,1,2-TRICHLOROETHANE				5 UG/L		U				10 UG/L		UJ	5 UG/L		U
1,1-DICHLOROETHANE				5 UG/L		U				40 UG/L		UJ	52 UG/L		-
1,1-DICHLOROETHENE				5 UG/L		U				14 UG/L		J	15 UG/L		J
1,2-DICHLOROETHANE				5 UG/L		U				2 UG/L		J	3 UG/L		J
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U				10 UG/L		UJ	5 UG/L		U
1,2-DICHLOROPROPANE				5 UG/L		U				10 UG/L		UJ	5 UG/L		U

SAMPLE NUMBER:	120601			063945			063945			123025			063900		
LAB:	CORE			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-BUTANONE				10 UG/L		U				22 UG/L		J	17 UG/L		J
2-HEXANONE				10 UG/L		U				4 UG/L		J	3 UG/L		J
4-METHYL-2-PENTANONE				10 UG/L		U				120 UG/L		J	59 UG/L		-
ACETONE				10 UG/L		UJ				110 UG/L		J	54 UG/L		R
BENZENE				5 UG/L		U				10 UG/L		UJ	5 UG/L		UJ
BROMODICHLOROMETHANE				5 UG/L		U				10 UG/L		UJ	5 UG/L		U
BROMOFORM				5 UG/L		U				10 UG/L		UJ	5 UG/L		U
BROMOMETHANE				10 UG/L		U				10 UG/L		UJ	10 UG/L		U
CARBON DISULFIDE				5 UG/L		U				10 UG/L		UJ	5 UG/L		U
CARBON TETRACHLORIDE				5 UG/L		U				10 UG/L		UJ	5 UG/L		U
CHLOROBENZENE				5 UG/L		U				10 UG/L		UJ	5 UG/L		UJ
CHLOROETHANE				10 UG/L		U				10 UG/L		UJ	10 UG/L		U
CHLOROFORM				5 UG/L		U				1 UG/L		J	1 UG/L		J
CHLOROMETHANE				10 UG/L		U				10 UG/L		UJ	10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE				5 UG/L		U				10 UG/L		UJ	5 UG/L		U
DIBROMOCHLOROMETHANE				5 UG/L		U				10 UG/L		UJ	5 UG/L		U
ETHYLBENZENE				5 UG/L		U				7 UG/L		J	4 UG/L		J
ISOBUTYL ALCOHOL				200 UG/L		U							3000 UG/L		R
METHYLENE CHLORIDE				5 UG/L		U				22 UG/L		UJ	26 UG/L		U
STYRENE				5 UG/L		U				10 UG/L		UJ	5 UG/L		UJ
TETRACHLOROETHENE				5 UG/L		U				10 UG/L		UJ	5 UG/L		U
TOLUENE				5 UG/L		U				10 UG/L		UJ	1 UG/L		J
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U				10 UG/L		UJ	5 UG/L		U
TRICHLOROETHENE				5 UG/L		U				10 UG/L		UJ	5 UG/L		U
TRICHLOROFLUOROMETHANE				10 UG/L		U							5 UG/L		UJ
VINYL ACETATE				10 UG/L		UJ				10 UG/L		UJ	10 UG/L		U
VINYL CHLORIDE				10 UG/L		U				10 UG/L		UJ	2 UG/L		J
XYLENES, TOTAL				5 UG/L		U				30 UG/L		J	16 UG/L		J

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063903	063919	063919	063919	063921
TASK:	10.03.01	10.03.01	10.03.01	10.03.01	10.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1765	1765	1765	1765	1765
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-AUG-91	31-OCT-91	31-OCT-91	31-OCT-91	31-OCT-91
NORTH COORDINATE:	481377.7	481377.7	481377.7	481377.7	481377.7
EAST COORDINATE:	1378289.96	1378289.96	1378289.96	1378289.96	1378289.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:		063921	063921	063921	063919
SUFFIX/FILTERFLAG:	NONE-FIL	DL-FIL	NONE-FIL	R-FIL	DL-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN							3.4 NG/L		U						
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN							1 NG/L		U						
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN							.86 NG/L		U						
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN							.66 NG/L		U						
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN							1.3 NG/L		U						
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN							.52 NG/L		U						
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN							1.1 NG/L		U						
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN							.55 NG/L		U						
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN							1.5 NG/L		U						
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN							.54 NG/L		U						
1,2,3,7,8-PENTACHLORODIBENZOFURAN							.64 NG/L		-						
1,4-DIOXANE							200 UG/L		U						
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN							1.3 NG/L		U						
2,3,4,7,8-PENTACHLORODIBENZOFURAN							.91 NG/L		-						
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN							.49 NG/L		U						
2,3,7,8-TETRACHLORODIBENZOFURAN							2.6 NG/L		-						
HEPTACHLORODIBENZO-P-DIOXIN							3.4 NG/L		U						

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063903			063919			063919			063919			063921		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			R-FIL			DL-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
HEPTACHLORODIBENZOFURANS							1.2 NG/L		U						
HEXACHLORODIBENZO-P-DIOXINS							.57 NG/L		U						
HEXACHLORODIBENZOFURANS							1.3 NG/L		U						
OCTACHLORODIBENZO-P-DIOXIN							1.6 NG/L		J						
OCTACHLORODIBENZOFURAN							.55 NG/L		-						
PENTACHLORODIBENZO-P-DIOXINS							1.7 NG/L		U						
PENTACHLORODIBENZOFURANS							5.9 NG/L		-						
TETRACHLORODIBENZO-P-DIOXINS							.34 NG/L		U						
TETRACHLORODIBENZOFURANS							12.4 NG/L		-						
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							2098 MG/L		-						
AMMONIA							474 MG/L		-						
CHLORIDE							5917.9 MG/L		-						
NITRATE							276 MG/L		-						
PH							11.8 SU		-						
PHOSPHORUS							6.36 MG/L		-						
SULFATE							2 MG/L		U						
SULFIDE							.5 MG/L		U						
TOTAL ORGANIC CARBON							25.2 MG/L		-						
HERBICIDES															
2,4,5-T							2 UG/L		U						
2,4,5-TP (SILVEX)							1.8 UG/L		U						
2,4-D							10 UG/L		U						
INORGANICS															
ALUMINUM							.533 MG/L		-						
ANTIMONY							.112 MG/L		J						
ARSENIC							.0023 MG/L		J						
BARIUM							1.93 MG/L		-						
BERYLLIUM							.0034 MG/L		-						
BORON							.252 MG/L		-						
CADMIUM							.02 MG/L		U						
CALCIUM							3100 MG/L		-						
CHROMIUM							.142 MG/L		-						
COBALT							.0241 MG/L		J						
COPPER							.0511 MG/L		-						
CYANIDE	.366 MG/L		J				.577 MG/L		J						
IRON							.1 MG/L		-						
LEAD							.002 MG/L		U						

SAMPLE NUMBER:	063903			063919			063919			063919			063921		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			R-FIL			DL-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MAGNESIUM							1.16 MG/L		-						
MANGANESE							.0214 MG/L		J						
MERCURY	.00021 MG/L		J				.0002 MG/L		U						
MOLYBDENUM							.039 MG/L		-						
NICKEL							.0383 MG/L		J						
POTASSIUM							307 MG/L		-						
SELENIUM							.01 MG/L		UJ						
SILICON							.6 MG/L		-						
SILVER							.115 MG/L		J						
SODIUM							678 MG/L		-						
THALLIUM							.002 MG/L		UJ						
TIN							.2 MG/L		U						
VANADIUM							.0811 MG/L		-						
ZINC							.0064 MG/L		-						
No sort code listed.															
1,2,3-TRICHLOROPROPANE							10 UG/L		UJ						
1,2,4,5-TETRACHLOROBENZENE							4 UG/L		U						
1,2-DIBROMO-3-CHLOROPROPANE							10 UG/L		U						
1,2-DIBROMOETHANE							10 UG/L		U						
1,3,5-TRINITROBENZENE							10 UG/L		U						
1,3-DINITROBENZENE							10 UG/L		U						
1,4-NAPHTHOQUINONE							10 UG/L		UJ						
1-NAPHTHYLAMINE							120 UG/L		U						
2,3,4,6-TETRACHLOROPHENOL							10 UG/L		R						
2,6-DICHLOROPHENOL							10 UG/L		R						
2-ACETYLAMINOFLUORENE							10 UG/L		U						
2-CHLORO-1,3-BUTADIENE							10 UG/L		U						
2-NAPHTHYLAMINE							170 UG/L		U						
2-PICOLINE							70 UG/L		U						
3,3'-DIMETHYLBENZIDINE							80 UG/L		U						
3-CHLOROPROPENE							10 UG/L		U						
3-METHYLCHOLANTHRENE							30 UG/L		UJ						
3-METHYLPHENOL							9 UG/L		J						
4-AMINOBIPHENYL							50 UG/L		U						
4-CHLOROANILINE							10 UG/L		U						
4-NITROQUINOLINE-1-OXIDE							10 UG/L		UJ						
5-NITRO-O-TOLUIDINE							20 UG/L		U						
7,12-DIMETHYLBENZ(A)ANTHRAC ENE							20 UG/L		U						
A,A-DIMETHYLPHENETHYLAMINE							10 UG/L		UJ						
ACETONITRILE							20 UG/L		U						
ACETOPHENONE							10 UG/L		U						
ACROLEIN							20 UG/L		U						
ACROLEIN							20 UG/L		U						
ACRYLONITRILE							20 UG/L		U						

SAMPLE NUMBER:	063903			063919			063919			063919			063921		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			R-FIL			DL-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
ANILINE							50 UG/L		U						
ARAMITE							10 UG/L		UJ						
DIALLATE							10 UG/L		UJ						
DIBROMOMETHANE							10 UG/L		UJ						
DICHLORODIFLUOROMETHANE							200 UG/L		U						
DINOSEB							20 UG/L		UJ						
DIPHENYLAMINE							10 UG/L		UJ						
ETHYL CYANIDE							10 UG/L		U						
ETHYL METHACRYLATE							10 UG/L		U						
ETHYL METHANESULFONATE							10 UG/L		U						
HEXACHLOROPHENE							50 UG/L		U						
HEXACHLOROPROPENE							20 UG/L		R						
IODOMETHANE							10 UG/L		U						
ISODRIN							.05 UG/L		U						
ISOSAFROLE							10 UG/L		U						
KEPONE							.1 UG/L		U						
METHACRYLONITRILE							10 UG/L		U						
METHAPYRILENE							40 UG/L		UJ						
METHYL METHACRYLATE							10 UG/L		U						
METHYL METHANESULFONATE							10 UG/L		U						
N-NITROSODI-N-BUTYLAMINE							20 UG/L		R						
N-NITROSODIETHYLAMINE							10 UG/L		UJ						
N-NITROSOMETHYLETHYLAMINE							10 UG/L		UJ						
N-NITROSOMORPHOLINE							10 UG/L		UJ						
N-NITROSOPIPERIDINE							10 UG/L		U						
N-NITROSOPYRROLIDINE							10 UG/L		R						
O-TOLUIDINE							10 UG/L		U						
P-DIMETHYLAMINOAZOBENZENE							30 UG/L		UJ						
P-PHENYLENEDIAMINE							50 UG/L		R						
PENTACHLOROBENZENE							20 UG/L		UJ						
PENTACHLOROETHANE							20 UG/L		U						
PENTACHLORONITROBENZENE							20 UG/L		UJ						
PHENACETIN							10 UG/L		U						
PRONAMIDE							30 UG/L		U						
SAFROLE							10 UG/L		U						
TETRAETHYLPYROPHOSPHATE							3 UG/L		UJ						
TRANS-1,4-DICHLORO-2-BUTENE							10 UG/L		UJ						
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE							3 UG/L		UJ						
DISULFOTON							3 UG/L		UJ						
FAMPHUR							3 UG/L		UJ						
METHYL PARATHION							3 UG/L		UJ						
PARATHION							3 UG/L		UJ						
PHORATE							3 UG/L		UJ						
THIONAZIN							3 UG/L		UJ						

SAMPLE NUMBER:	063903			063919			063919			063919			063921		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			R-FIL			DL-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDD							.1 UG/L		U						
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						
ALDRIN							.05 UG/L		U						
ALPHA-BHC							.05 UG/L		U						
ALPHA-CHLORDANE							.5 UG/L		U						
AROCLOR-1016							.5 UG/L		U						
AROCLOR-1221							.5 UG/L		U						
AROCLOR-1232							.5 UG/L		U						
AROCLOR-1242							.5 UG/L		U						
AROCLOR-1248				3.1 UG/L		J							6.5 UG/L		R
AROCLOR-1254							1 UG/L		U						
AROCLOR-1260							1 UG/L		U						
BETA-BHC							.05 UG/L		U						
CHLOROBENZILATE							.1 UG/L		U						
DELTA-BHC							.05 UG/L		U						
DIELDRIN							.1 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.1 UG/L		U						
ENDRIN KETONE							.1 UG/L		U						
GAMMA-BHC (LINDANE)							.05 UG/L		U						
GAMMA-CHLORDANE							.5 UG/L		U						
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
SULFOTEP							10 UG/L		R						
TOXAPHENE							1 UG/L		U						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							4 UG/L		J						
1,2-DICHLOROBENZENE							10 UG/L		U						
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							50 UG/L		R						
2,4,6-TRICHLOROPHENOL							10 UG/L		R						
2,4-DICHLOROPHENOL							10 UG/L		R						
2,4-DIMETHYLPHENOL							10 UG/L		R						
2,4-DINITROPHENOL							50 UG/L		R						
2,4-DINITROTOLUENE							10 UG/L		U						
2,6-DINITROTOLUENE							10 UG/L		U						
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		R						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		R						

SAMPLE NUMBER:	063903			063919			063919			063919			063921		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			R-FIL			DL-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-NITROANILINE							50 UG/L		U						
2-NITROPHENOL							10 UG/L		R						
3,3'-DICHLOROBENZIDINE							20 UG/L		U						
3-NITROANILINE							50 UG/L		U						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		R						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		R						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							6 UG/L		J						
4-NITROANILINE							50 UG/L		UJ						
4-NITROPHENOL							50 UG/L		R						
ACENAPHTHENE							10 UG/L		U						
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		U						
BENZO(B)FLUORANTHENE							10 UG/L		U						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZOIC ACID							50 UG/L		R						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						
DI-N-OCTYL PHTHALATE							10 UG/L		U						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U						
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIMETHYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		U						
NITROBENZENE							6 UG/L		J						

SAMPLE NUMBER:	063903			063919			063919			063919			063921		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			R-FIL			DL-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
O,O,O-TRIETHYLPHOSPHOROTHIO ATE							3 UG/L		UJ						
PENTACHLOROPHENOL							50 UG/L		R						
PHENANTHRENE							10 UG/L		U						
PHENOL							10 UG/L		R						
PYRENE							10 UG/L		U						
PYRIDINE							10 UG/L		U	10 UG/L		R			
VOLATILES															
1,1,1,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,1-TRICHLOROETHANE							29 UG/L		J						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							47 UG/L		J						
1,1-DICHLOROETHENE							14 UG/L		U						
1,2-DICHLOROETHANE							5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		U						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							20 UG/L		U						
2-HEXANONE							3 UG/L		UJ						
4-METHYL-2-PENTANONE							21 UG/L		-						
ACETONE							88 UG/L		U						
BENZENE							5 UG/L		U						
BROMODICHLOROMETHANE							5 UG/L		U						
BROMOFORM							5 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							5 UG/L		U						
CARBON TETRACHLORIDE							5 UG/L		U						
CHLOROBENZENE							5 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							5 UG/L		J						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							5 UG/L		UJ						
DIBROMOCHLOROMETHANE							5 UG/L		U						
ETHYLBENZENE							4 UG/L		J						
ISOBUTYL ALCOHOL							200 UG/L		UJ						
METHYLENE CHLORIDE							21 UG/L		U						
STYRENE							5 UG/L		U						
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							1 UG/L		J						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		UJ						
TRICHLOROETHENE							1 UG/L		J						
TRICHLOROFLUOROMETHANE							10 UG/L		U						
VINYL ACETATE							10 UG/L		UJ						
VINYL CHLORIDE							2 UG/L		J						
XYLENES, TOTAL							16 UG/L		-						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063921	123022	063904	063915	063915
TASK:	10.03.01	10.03.08	10.03.01	10.03.01	10.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1765	1766	1766	1766	1766
DEPTH:	-	-	-	-	-
DATE COLLECTED:	31-OCT-91	24-JUN-93	28-AUG-91	30-OCT-91	30-OCT-91
NORTH COORDINATE:	481377.7	481349.56	481349.56	481349.56	481349.56
EAST COORDINATE:	1378289.96	1378240.51	1378240.51	1378240.51	1378240.51
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	063919				
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-FIL	DL-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	.39 NG/L		U										1.1 NG/L		U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	.46 NG/L		U										.41 NG/L		U
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	.65 NG/L		U										.57 NG/L		U
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.2 NG/L		U										1 NG/L		U
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	.55 NG/L		U										.61 NG/L		U
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	.98 NG/L		U										.83 NG/L		U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	.48 NG/L		U										.654 NG/L		U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1 NG/L		U										.87 NG/L		U
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	.63 NG/L		U										.71 NG/L		U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.3 NG/L		U										.7 NG/L		U
1,2,3,7,8-PENTACHLORODIBENZOFURAN	.51 NG/L		U										.38 NG/L		U
1,4-DIOXANE	60 UG/L		J										200 UG/L		R
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	.57 NG/L		U										.64 NG/L		U
2,3,4,7,8-PENTACHLORODIBENZOFURAN	.55 NG/L		U										.41 NG/L		U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	.17 NG/L		U										.58 NG/L		U
2,3,7,8-TETRACHLORODIBENZOFURAN	.71 NG/L		U										2.5 NG/L		U
HEPTACHLORODIBENZO-P-DIOXIN	1.3 NG/L		U										1.1 NG/L		U

SAMPLE NUMBER:	063921			123022			063904			063915			063915		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			DL-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
HEPTACHLORODIBENZOFURANS	.54 NG/L		U										.7 NG/L		U
HEXACHLORODIBENZO-P-DIOXINS	1.1 NG/L		U										2.2 NG/L		U
HEXACHLORODIBENZOFURANS	1.4 NG/L		U										.62 NG/L		U
OCTACHLORODIBENZO-P-DIOXIN	.56 NG/L		U										.59 NG/L		UJ
OCTACHLORODIBENZOFURAN	.43 NG/L		U										.4 NG/L		U
PENTACHLORODIBENZO-P-DIOXINS	3.2 NG/L		U										1.5 NG/L		U
PENTACHLORODIBENZOFURANS	.79 NG/L		U										.39 NG/L		U
TETRACHLORODIBENZO-P-DIOXINS	.26 NG/L		UJ										.47 NG/L		U
TETRACHLORODIBENZOFURANS	3 NG/L		J										1.1 NG/L		U
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	2190 MG/L		-										475 MG/L		-
AMMONIA	568 MG/L		-				.2 MG/L		-				348 MG/L		-
CHLORIDE	5511 MG/L		-				4300 MG/L		-						
FLUORIDE							34 MG/L		-						
NITRATE	285 MG/L		-				62.4 MG/L		J				9.8 MG/L		-
PH	11.9 SU		-	100 UG/L		U	.15 MG/L		-				6.37 SU		-
PHOSPHORUS	1.32 MG/L		-				.15 MG/L		-				.817 MG/L		-
SULFATE	2 MG/L		U				2 MG/L		U						
SULFIDE	.5 MG/L		U				.5 MG/L		U				.5 MG/L		U
TOTAL ORGANIC CARBON	13.4 MG/L		-				135 MG/L		-				73 MG/L		-
TOTAL ORGANIC NITROGEN							.2 MG/L		-						
HERBICIDES															
2,4,5-T	2 UG/L		U	250 UG/L		U							2 UG/L		U
2,4,5-TP (SILVEX)	1.8 UG/L		U										1.8 UG/L		U
2,4-D	10 UG/L		U	100 UG/L		U							10 UG/L		U
INORGANICS															
ALUMINUM	.535 MG/L		-	5.43 MG/L		J	1.52 MG/L		-				1.28 MG/L		-
ANTIMONY	.108 MG/L		J	.005 MG/L		UJ	.387 MG/L		J				.395 MG/L		-
ARSENIC	.0027 MG/L		J	.0051 MG/L		U	.002 MG/L		U				.0022 MG/L		J
BARIUM	2.05 MG/L		-	.829 MG/L		-	.0889 MG/L		J				.0853 MG/L		-
BERYLLIUM	.0036 MG/L		-	.0716 MG/L		-	.101 MG/L		-				.101 MG/L		-
BORON	.252 MG/L		-				1.46 MG/L		-				1.62 MG/L		-
CADMIUM	.02 MG/L		U	.005 MG/L		U	.0392 MG/L		-				.0414 MG/L		-
CALCIUM	3220 MG/L		-	154 MG/L		-	173 MG/L		-				183 MG/L		-
CHROMIUM	.145 MG/L		-	2.75 MG/L		-	.212 MG/L		J				.202 MG/L		-
COBALT	.0259 MG/L		J	1.52 MG/L		-	1.69 MG/L		J				1.78 MG/L		-
COPPER	.0485 MG/L		-	.113 MG/L		-	.0967 MG/L		-				.0872 MG/L		-
CYANIDE	.623 MG/L		J	.102 MG/L		J	.363 MG/L		J				.134 MG/L		J

SAMPLE NUMBER:	063921			123022			063904			063915			063915		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			DL-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	.108 MG/L		-	14.7 MG/L		-	.149 MG/L		-				.136 MG/L		-
LEAD	.002 MG/L		U	.0512 MG/L		-	.0024 MG/L		J				.002 MG/L		U
MAGNESIUM	1.41 MG/L		-	593 MG/L		-	606 MG/L		-				650 MG/L		-
MANGANESE	.02 MG/L		J	268 MG/L		-	322 MG/L		-				325 MG/L		J
MERCURY	.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM	.0386 MG/L		-	.587 MG/L		-	.493 MG/L		-				.583 MG/L		-
NICKEL	.041 MG/L		J	13.4 MG/L		-	12.4 MG/L		J				13.3 MG/L		-
POTASSIUM	308 MG/L		-	317 MG/L		-	295 MG/L		J				324 MG/L		-
SELENIUM	.0116 MG/L		J	.0294 MG/L		-	.0326 MG/L		J				.0158 MG/L		J
SILICON	.584 MG/L		-	36.5 MG/L		-	31 MG/L		-				31.4 MG/L		-
SILVER	.116 MG/L		-	.0163 MG/L		-	.121 MG/L		-				.11 MG/L		-
SODIUM	674 MG/L		-	702 MG/L		-	791 MG/L		-				868 MG/L		-
THALLIUM	.002 MG/L		UJ	.01 MG/L		UR	.0036 MG/L		J				.0024 MG/L		J
TIN	.2 MG/L		U				.2 MG/L		U				.2 MG/L		U
VANADIUM	.083 MG/L		-	.0319 MG/L		-	.119 MG/L		-				.121 MG/L		-
ZINC	.0057 MG/L		-	.187 MG/L		-	.298 MG/L		-				.252 MG/L		-
No sort code listed.															
1,2,3-TRICHLOROPROPANE	10 UG/L		UJ										10 UG/L		UJ
1,2,4,5-TETRACHLOROBENZENE	10 UG/L		UJ										10 UG/L		UJ
1,2-DIBROMO-3-CHLOROPROPANE	10 UG/L		U										10 UG/L		U
1,2-DIBROMOETHANE	10 UG/L		U										10 UG/L		U
1,3,5-TRINITROBENZENE	10 UG/L		U										10 UG/L		U
1,3-DINITROBENZENE	10 UG/L		U										10 UG/L		U
1,4-NAPHTHOQUINONE	10 UG/L		UJ										10 UG/L		UJ
1-NAPHTHYLAMINE	120 UG/L		U										120 UG/L		U
2,3,4,6-TETRACHLOROPHENOL	10 UG/L		R										10 UG/L		U
2,6-DICHLOROPHENOL	10 UG/L		R										10 UG/L		U
2-ACETYLAMINOFLUORENE	10 UG/L		U										10 UG/L		U
2-CHLORO-1,3-BUTADIENE	10 UG/L		U										10 UG/L		U
2-NAPHTHYLAMINE	170 UG/L		U										170 UG/L		U
2-PICOLINE	71 UG/L		U										70 UG/L		U
3,3'-DIMETHYLBENZIDINE	82 UG/L		U										80 UG/L		U
3-CHLOROPROPENE	10 UG/L		U										10 UG/L		U
3-METHYLCHOLANTHRENE	31 UG/L		UJ										30 UG/L		UJ
3-METHYLPHENOL	6 UG/L		J										120 UG/L		U
4-AMINOBIPHENYL	51 UG/L		U										50 UG/L		U
4-CHLOROANILINE	10 UG/L		U										10 UG/L		U
4-NITROQUINOLINE-1-OXIDE	10 UG/L		UJ										10 UG/L		UJ
5-NITRO-O-TOLUIDINE	20 UG/L		UJ										20 UG/L		U
7,12-DIMETHYLBENZ(A)ANTHRACENE	20 UG/L		U										20 UG/L		U
A,A-DIMETHYLPHENETHYLAMINE	10 UG/L		UJ										10 UG/L		UJ
ACETONITRILE	13 UG/L		UJ							180 UG/L		-			
ACETOPHENONE	10 UG/L		U										10 UG/L		U
ACROLEIN	20 UG/L		U										21 UG/L		-

SAMPLE NUMBER:	063921			123022			063904			063915			063915		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			DL-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
ACROLEIN	20 UG/L		U										21 UG/L		-
ACRYLONITRILE	20 UG/L		R										34 UG/L		J
ANILINE	51 UG/L		U										50 UG/L		U
ARAMITE	10 UG/L		UJ										10 UG/L		UJ
DIALLATE	10 UG/L		UJ										10 UG/L		UJ
DIBROMOMETHANE	10 UG/L		UJ										10 UG/L		UJ
DICHLORODIFLUOROMETHANE	200 UG/L		U										200 UG/L		U
DINOSEB	.7 UG/L		U										.71 UG/L		U
DIPHENYLAMINE	10 UG/L		UJ										10 UG/L		UJ
ETHYL CYANIDE	10 UG/L		U										18 UG/L		-
ETHYL METHACRYLATE	10 UG/L		U										10 UG/L		U
ETHYL METHANESULFONATE	10 UG/L		U										10 UG/L		U
HEXACHLOROPHENE	51 UG/L		U										50 UG/L		U
HEXACHLOROPROPENE	20 UG/L		R										20 UG/L		R
IODOMETHANE	10 UG/L		U										10 UG/L		U
ISODRIN	.05 UG/L		U							.2 UG/L		U			
ISOSAFROLE	10 UG/L		U										10 UG/L		U
KEPONE	.1 UG/L		U							.4 UG/L		U			
METHACRYLONITRILE	10 UG/L		U										10 UG/L		U
METHAPYRILENE	41 UG/L		UJ										40 UG/L		UJ
METHYL METHACRYLATE	10 UG/L		U										10 UG/L		U
METHYL METHANESULFONATE	10 UG/L		U										10 UG/L		U
N-NITROSODI-N-BUTYLAMINE	20 UG/L		R										20 UG/L		R
N-NITROSODIETHYLAMINE	10 UG/L		UJ										10 UG/L		UJ
N-NITROSOMETHYLETHYLAMINE	10 UG/L		UJ										10 UG/L		UJ
N-NITROSOMORPHOLINE	10 UG/L		UJ										10 UG/L		UJ
N-NITROSOPIPERIDINE	10 UG/L		U										10 UG/L		U
N-NITROSOPYRROLIDINE	10 UG/L		R										10 UG/L		R
O-TOLUIDINE	10 UG/L		U										10 UG/L		U
P-DIMETHYLAMINOAZOBENZENE	31 UG/L		UJ										30 UG/L		UJ
P-PHENYLENEDIAMINE	51 UG/L		R										50 UG/L		R
PENTACHLOROBENZENE	20 UG/L		UJ										20 UG/L		UJ
PENTACHLOROETHANE	20 UG/L		U										20 UG/L		U
PENTACHLORONITROBENZENE	20 UG/L		UJ										20 UG/L		UJ
PHENACETIN	10 UG/L		U										10 UG/L		U
PRONAMIDE	31 UG/L		U										30 UG/L		U
SAFROLE	10 UG/L		U										10 UG/L		U
TETRAETHYLPYROPHOSPHATE	3 UG/L		UJ										31 UG/L		UJ
TRANS-1,4-DICHLORO-2-BUTENE	10 UG/L		UJ										10 UG/L		UJ
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE	3 UG/L		UJ										31 UG/L		UJ
DISULFOTON	3 UG/L		UJ										31 UG/L		UJ
FAMPHUR	3 UG/L		UJ										31 UG/L		UJ
METHYL PARATHION	3 UG/L		UJ										31 UG/L		UJ
PARATHION	3 UG/L		UJ										31 UG/L		UJ

SAMPLE NUMBER:	063921			123022			063904			063915			063915		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			DL-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
ORGANOPHOSPHORUS PESTICIDES															
PHORATE	3 UG/L		UJ										31 UG/L		UJ
THIONAZIN	3 UG/L		UJ										31 UG/L		UJ
PESTICIDES															
4,4'-DDD	.1 UG/L		U							.4 UG/L		U			
4,4'-DDE	.1 UG/L		U							.4 UG/L		U			
4,4'-DDT	.1 UG/L		U							.4 UG/L		U			
ALDRIN	.05 UG/L		U							.2 UG/L		U			
ALPHA-BHC	.05 UG/L		U							.2 UG/L		U			
ALPHA-CHLORDANE	.5 UG/L		U							2 UG/L		U			
AROCLOR-1016	.5 UG/L		U							2 UG/L		U			
AROCLOR-1221	.5 UG/L		U							2 UG/L		U			
AROCLOR-1232	.5 UG/L		U							2 UG/L		U			
AROCLOR-1242	.5 UG/L		U							2 UG/L		U			
AROCLOR-1248	.5 UG/L		U							2 UG/L		U			
AROCLOR-1254	1 UG/L		U							4 UG/L		U			
AROCLOR-1260	1 UG/L		U							4 UG/L		U			
BETA-BHC	.05 UG/L		U							.2 UG/L		U			
CHLOROBENZILATE	.1 UG/L		U							.4 UG/L		U			
DELTA-BHC	.05 UG/L		U							.2 UG/L		U			
DIELDRIN	.1 UG/L		U							.4 UG/L		U			
ENDOSULFAN II	.1 UG/L		U							.4 UG/L		U			
ENDOSULFAN SULFATE	.1 UG/L		U							.4 UG/L		U			
ENDOSULFAN-I	.05 UG/L		U							.2 UG/L		U			
ENDRIN	.1 UG/L		U							.4 UG/L		U			
ENDRIN KETONE	.1 UG/L		U							.4 UG/L		U			
GAMMA-BHC (LINDANE)	.05 UG/L		U							.2 UG/L		U			
GAMMA-CHLORDANE	.5 UG/L		U							2 UG/L		U			
HEPTACHLOR	.05 UG/L		U							.2 UG/L		U	1.1 NG/L		U
HEPTACHLOR EPOXIDE	.05 UG/L		U							.2 UG/L		U			
METHOXYCHLOR	.5 UG/L		U							2 UG/L		U			
SULFOTEP	3 UG/L		UJ										31 UG/L		R
TOXAPHENE	1 UG/L		U							4 UG/L		U			
RADIONUCLIDES															
URANIUM-238				1850 PCI/L	410	-	3990 PCI/L	520	J						
URANIUM, TOTAL				967 UG/L	148	-	12100 UG/L	1700	-						
URANIUM-234				1610 PCI/L	360	-	3760 PCI/L	490	J						
THORIUM-230				403 PCI/L	104	-	1 PCI/L		U						
RADIUM-226				6.35 PCI/L	1.03	J	120 PCI/L	17	-						
URANIUM-235/236				83.4 PCI/L	21.6	-	268 PCI/L	49	J						
THORIUM-232				29.3 PCI/L	13.6	-	1 PCI/L		U						
THORIUM, TOTAL				267 UG/L	123	-	2.9 UG/L		U						
RADIUM-228				140 PCI/L	14	J	85.1 PCI/L	12.5	-						
THORIUM-228				51.1 PCI/L	19.9	-	1 PCI/L		U						

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SAMPLE NUMBER:	063921			123022			063904			063915			063915		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			DL-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
NEPTUNIUM-237				4.55 PCI/L	2.24	-	2.1 PCI/L		R						
PLUTONIUM-239/240				1.5 PCI/L	.98	J	1 PCI/L		U						
PLUTONIUM-238				1.81 PCI/L	1.11	-	1 PCI/L		U						
STRONTIUM-90				13.1 PCI/L	1.5	-	12.9 PCI/L	2.4	J						
TECHNETIUM-99				17.9 PCI/L	9.93	UJ	30 PCI/L		U						
RUTHENIUM-106				150 PCI/L		UJ	150 PCI/L		R						
CESIUM-137				17 PCI/L		UJ	20 PCI/L		R						
GROSS ALPHA							5310 PCI/L	680	NV						
GROSS BETA							3780 PCI/L	396	NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	3 UG/L		U	100 UG/L		U							10 UG/L		U
1,2-DICHLOROBENZENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
1,3-DICHLOROBENZENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
1,4-DICHLOROBENZENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
2,4,5-TRICHLOROPHENOL	51 UG/L		R	250 UG/L		U							50 UG/L		U
2,4,6-TRICHLOROPHENOL	10 UG/L		R	100 UG/L		U							10 UG/L		U
2,4-DICHLOROPHENOL	10 UG/L		R	100 UG/L		U							10 UG/L		U
2,4-DIMETHYLPHENOL	10 UG/L		R	100 UG/L		U							16 UG/L		U
2,4-DINITROPHENOL	24 UG/L		J	250 UG/L		U							50 UG/L		UJ
2,4-DINITROTOLUENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
2,6-DINITROTOLUENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
2-CHLORONAPHTHALENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
2-CHLOROPHENOL	10 UG/L		R	100 UG/L		U							10 UG/L		U
2-METHYLNAPHTHALENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
2-METHYLPHENOL	10 UG/L		R	100 UG/L		U							10 UG/L		U
2-NITROANILINE	51 UG/L		U	250 UG/L		U							50 UG/L		U
2-NITROPHENOL	10 UG/L		R	100 UG/L		U							10 UG/L		U
3,3'-DICHLOROBENZIDINE	20 UG/L		U	100 UG/L		U							20 UG/L		U
3-NITROANILINE	51 UG/L		U	250 UG/L		U							50 UG/L		U
4,6-DINITRO-2-METHYLPHENOL	51 UG/L		R	250 UG/L		U							50 UG/L		U
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U	100 UG/L		U							10 UG/L		U
4-CHLORO-3-METHYLPHENOL	3 UG/L		J	100 UG/L		U							10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U	100 UG/L		U							10 UG/L		U
4-METHYLPHENOL	4 UG/L		J	100 UG/L		U							81 UG/L		J
4-NITROANILINE	51 UG/L		U	250 UG/L		U							50 UG/L		U
4-NITROPHENOL	51 UG/L		R	250 UG/L		U							50 UG/L		U
ACENAPHTHENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
ACENAPHTHYLENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
ANTHRACENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
BENZO(A)ANTHRACENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
BENZO(A)PYRENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
BENZO(B)FLUORANTHENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
BENZO(G,H,I)PERYLENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
BENZO(K)FLUORANTHENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
BENZOIC ACID	38 UG/L		J										50 UG/L		U

SAMPLE NUMBER:	063921			123022			063904			063915			063915		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			DL-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZYL ALCOHOL	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U	100 UG/L		U							10 UG/L		U
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U	100 UG/L		U							10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U	100 UG/L		U							10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		UJ	100 UG/L		U							10 UG/L		U
BUTYL BENZYL PHTHALATE	10 UG/L		U	100 UG/L		U							10 UG/L		U
CARBAZOLE				100 UG/L		U									
CHRYSENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
DI-N-BUTYL PHTHALATE	10 UG/L		U	100 UG/L		U							10 UG/L		U
DI-N-OCTYL PHTHALATE	10 UG/L		U	100 UG/L		U							10 UG/L		U
DIBENZO(A,H)ANTHRACENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
DIBENZOFURAN	10 UG/L		U	100 UG/L		U							10 UG/L		U
DIETHYL PHTHALATE	10 UG/L		U	100 UG/L		U							10 UG/L		U
DIMETHYL PHTHALATE	10 UG/L		U	100 UG/L		U							10 UG/L		U
FLUORANTHENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
FLUORENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
HEXACHLOROBENZENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
HEXACHLOROBUTADIENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
HEXACHLOROETHANE	10 UG/L		U	100 UG/L		U							10 UG/L		U
INDENO(1,2,3-CD)PYRENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
ISOPHORONE	10 UG/L		U	100 UG/L		U							10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U	100 UG/L		U							10 UG/L		U
N-NITROSODIMETHYLAMINE	10 UG/L		U										10 UG/L		U
N-NITROSODIPHENYLAMINE	10 UG/L		U	100 UG/L		U							10 UG/L		U
NAPHTHALENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
NITROBENZENE	5 UG/L		J	100 UG/L		U							10 UG/L		U
O,O,O-TRIETHYLPHOSPHOROTHIO ATE	3 UG/L		UJ										31 UG/L		UJ
P-CHLOROANILINE				100 UG/L		U									
PENTACHLOROPHENOL	51 UG/L		R	250 UG/L		U							50 UG/L		U
PHENANTHRENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
PHENOL	10 UG/L		R	100 UG/L		U							10 UG/L		U
PYRENE	10 UG/L		U	100 UG/L		U							10 UG/L		U
PYRIDINE	10 UG/L		U										10 UG/L		U
VOLATILES															
1,1,1,2-TETRACHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1,1-TRICHLOROETHANE	29 UG/L		J	37 UG/L		U							69 UG/L		J
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U	10 UG/L		U							5 UG/L		U
1,1,2-TRICHLOROETHANE	5 UG/L		U	10 UG/L		U							5 UG/L		U
1,1-DICHLOROETHANE	48 UG/L		J	10 UG/L		U							5 UG/L		UJ
1,1-DICHLOROETHENE	14 UG/L		-	2 UG/L		J							3 UG/L		J
1,2-DICHLOROETHANE	2 UG/L		J	5 UG/L		J							7 UG/L		-
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U	10 UG/L		UJ							5 UG/L		U

SAMPLE NUMBER:	063921			123022			063904			063915			063915		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			DL-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE	5 UG/L		U	10 UG/L		U							5 UG/L		U
2-BUTANONE	16 UG/L		-	48 UG/L		J							29 UG/L		-
2-HEXANONE	10 UG/L		UJ	16 UG/L		-							50 UG/L		J
4-METHYL-2-PENTANONE	19 UG/L		-	11 UG/L		U							17 UG/L		-
ACETONE	72 UG/L		U	42 UG/L		UJ							79 UG/L		U
BENZENE	5 UG/L		U	2 UG/L		J							5 UG/L		U
BROMODICHLOROMETHANE	5 UG/L		U	10 UG/L		U							5 UG/L		U
BROMOFORM	5 UG/L		U	10 UG/L		U							5 UG/L		U
BROMOMETHANE	10 UG/L		U	10 UG/L		U							10 UG/L		U
CARBON DISULFIDE	5 UG/L		U	10 UG/L		U							5 UG/L		U
CARBON TETRACHLORIDE	5 UG/L		U	10 UG/L		U							5 UG/L		U
CHLOROBENZENE	5 UG/L		U	4 UG/L		J							5 UG/L		U
CHLOROETHANE	10 UG/L		U	10 UG/L		U							10 UG/L		U
CHLOROFORM	5 UG/L		U	660 UG/L		J				860 UG/L		-			
CHLOROMETHANE	10 UG/L		UJ	10 UG/L		UJ							10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE	5 UG/L		UJ	10 UG/L		U							5 UG/L		UJ
DIBROMOCHLOROMETHANE	5 UG/L		U	10 UG/L		U							5 UG/L		U
ETHYLBENZENE	3 UG/L		J	4 UG/L		J							8 UG/L		-
ISOBUTYL ALCOHOL	10 UG/L		UJ										22 UG/L		UJ
METHYLENE CHLORIDE	22 UG/L		U	13 UG/L		UJ							10 UG/L		U
STYRENE	5 UG/L		U	10 UG/L		U							5 UG/L		U
TETRACHLOROETHENE	5 UG/L		U	14 UG/L		-							18 UG/L		-
TOLUENE	1 UG/L		J	7 UG/L		J							9 UG/L		-
TRANS-1,3-DICHLOROPROPENE	5 UG/L		UJ	10 UG/L		UJ							5 UG/L		UJ
TRICHLOROETHENE	1 UG/L		J	6 UG/L		J							9 UG/L		-
TRICHLOROFLUOROMETHANE	10 UG/L		U										10 UG/L		U
VINYL ACETATE	10 UG/L		UJ	10 UG/L		U							10 UG/L		UJ
VINYL CHLORIDE	2 UG/L		J	10 UG/L		U							10 UG/L		U
XYLENES, TOTAL	15 UG/L		-	18 UG/L		-							33 UG/L		-

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063925	063925	063925	063946	123028
TASK:	10.03.01	10.03.01	10.03.01	10.03.01	10.03.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1767	1767	1767	1767	1767
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-NOV-91	05-NOV-91	05-NOV-91	14-NOV-91	24-JUN-93
NORTH COORDINATE:	481289.27	481289.27	481289.27	481289.27	481289.27
EAST COORDINATE:	1378278.74	1378278.74	1378278.74	1378278.74	1378278.74
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-FIL	NONE-FIL	F-UNF	NONE-UNF	DL-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN				.37 NG/L		U									
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN				1.5 NG/L		U									
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN				2.1 NG/L		U									
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN				2.3 NG/L		U									
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN				1.4 NG/L		U									
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN				1.8 NG/L		U									
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN				1.2 NG/L		U									
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN				1.9 NG/L		U									
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN				1.6 NG/L		U									
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN				1.3 NG/L		U									
1,2,3,7,8-PENTACHLORODIBENZOFURAN				.34 NG/L		U									
1,4-DIOXANE				290 UG/L		R									
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN				1.4 NG/L		U									
2,3,4,7,8-PENTACHLORODIBENZOFURAN				.41 NG/L		U									
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN				.61 NG/L		U									
2,3,7,8-TETRACHLORODIBENZOFURAN				1.6 NG/L		U									
HEPTACHLORODIBENZO-P-DIOXIN				1.6 NG/L		U									

SAMPLE NUMBER:	063925			063925			063925			063946			123028		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			F-UNF			NONE-UNF			DL-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
HEPTACHLORODIBENZOFURANS				1.7 NG/L		U									
HEXACHLORODIBENZO-P-DIOXINS				2 NG/L		U									
HEXACHLORODIBENZOFURANS				1.4 NG/L		U									
OCTACHLORODIBENZO-P-DIOXIN				.32 NG/L		UJ									
OCTACHLORODIBENZOFURAN				.56 NG/L		UJ									
PENTACHLORODIBENZO-P-DIOXINS				1.3 NG/L		U									
PENTACHLORODIBENZOFURANS				.79 NG/L		U									
TETRACHLORODIBENZO-P-DIOXINS				.32 NG/L		U									
TETRACHLORODIBENZOFURANS				.39 NG/L		UJ									
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				2940 MG/L		-									
AMMONIA				399 MG/L		-									
CHLORIDE				2943.2 MG/L		-									
NITRATE				.759 MG/L		-									
PH				12.43 SU		-									
PHOSPHORUS				.26 MG/L		-									
SULFATE				2 MG/L		U									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				10.8 MG/L		-									
HERBICIDES															
2,4,5-T				2 UG/L		UJ									
2,4,5-TP (SILVEX)				1.8 UG/L		UJ									
2,4-D				10 UG/L		UJ									
INORGANICS															
ALUMINUM							.542 MG/L		-	.536 MG/L		J			
ANTIMONY							.0908 MG/L		-						
ARSENIC							.0028 MG/L		J						
BARIUM							.58 MG/L		-						
BERYLLIUM							.0036 MG/L		-						
BORON							.245 MG/L		-						
CADMIUM							.01 MG/L		U						
CALCIUM							201 MG/L		-						
CHROMIUM							.129 MG/L		-						
COBALT							.0183 MG/L		J						
COPPER							.05 MG/L		-						
CYANIDE				.002 MG/L		UJ									
IRON							.17 MG/L		-	.101 MG/L		J			
LEAD							.0035 MG/L		-	.0043 MG/L		J			

SAMPLE NUMBER:	063925			063925			063925			063946			123028		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			F-UNF			NONE-UNF			DL-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MAGNESIUM							11.3 MG/L		-	.837 MG/L		-			
MANGANESE							.0238 MG/L		J	.0222 MG/L		J			
MERCURY				.0002 MG/L		UJ				.0002 MG/L		UJ			
MOLYBDENUM							.024 MG/L		-	.0364 MG/L		J			
NICKEL							.0351 MG/L		J	.0324 MG/L		J			
POTASSIUM							137 MG/L		-	293 MG/L		-			
SELENIUM							.002 MG/L		UJ						
SILICON							.645 MG/L		-	.542 MG/L		J			
SILVER							.107 MG/L		-	.118 MG/L		J			
SODIUM							643 MG/L		-	633 MG/L		-			
THALLIUM							.002 MG/L		UJ						
TIN							.2 MG/L		U						
VANADIUM							.0693 MG/L		-						
ZINC							.005 MG/L		U						
No sort code listed.															
1,2,3-TRICHLOROPROPANE				10 UG/L		U									
1,2,4,5-TETRACHLOROBENZENE				10 UG/L		UJ									
1,2-DIBROMO-3-CHLOROPROPANE				10 UG/L		U									
1,2-DIBROMOETHANE				10 UG/L		U									
1,3,5-TRINITROBENZENE				10 UG/L		U									
1,3-DINITROBENZENE				10 UG/L		U									
1,4-NAPHTHOQUINONE				10 UG/L		UJ									
1-NAPHTHYLAMINE				120 UG/L		U									
2,3,4,6-TETRACHLOROPHENOL				10 UG/L		U									
2,6-DICHLOROPHENOL				10 UG/L		U									
2-ACETYLAMINOFLUORENE				10 UG/L		U									
2-CHLORO-1,3-BUTADIENE				10 UG/L		R									
2-NAPHTHYLAMINE				170 UG/L		U									
2-PICOLINE				70 UG/L		U									
3,3'-DIMETHYLBENZIDINE				80 UG/L		U									
3-CHLOROPROPENE				10 UG/L		U									
3-METHYLCHOLANTHRENE				30 UG/L		UJ									
3-METHYLPHENOL				33 UG/L		U									
4-AMINOBIPHENYL				50 UG/L		U									
4-CHLOROANILINE				10 UG/L		U									
4-NITROQUINOLINE-1-OXIDE				10 UG/L		UJ									
5-NITRO-O-TOLUIDINE				20 UG/L		U									
7,12-DIMETHYLBENZ(A)ANTHRAC ENE				20 UG/L		U									
A,A-DIMETHYLPHENETHYLAMINE				10 UG/L		UJ									
ACETONITRILE				20 UG/L		U									
ACETOPHENONE				10 UG/L		U									
ACROLEIN				20 UG/L		R									
ACROLEIN				20 UG/L		R									
ACRYLONITRILE				20 UG/L		R									

000319

SAMPLE NUMBER:	063925			063925			063925			063946			123028		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			F-UNF			NONE-UNF			DL-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
ANILINE				50 UG/L		U									
ARAMITE				10 UG/L		UJ									
DIALLATE				10 UG/L		UJ									
DIBROMOMETHANE				10 UG/L		U									
DICHLORODIFLUOROMETHANE				200 UG/L		R									
DINOSEB				.71 UG/L		UJ									
DIPHENYLAMINE				10 UG/L		UJ									
ETHYL CYANIDE				10 UG/L		U									
ETHYL METHACRYLATE				10 UG/L		UJ									
ETHYL METHANESULFONATE				10 UG/L		U									
HEXACHLOROPHENE				50 UG/L		U									
HEXACHLOROPROPENE				20 UG/L		R									
IODOMETHANE				10 UG/L		U									
ISODRIN	.25 UG/L		U												
ISOSAFROLE				10 UG/L		U									
KEPONE	.5 UG/L		U												
METHACRYLONITRILE				10 UG/L		U									
METHAPYRILENE				40 UG/L		UJ									
METHYL METHACRYLATE				10 UG/L		UJ									
METHYL METHANESULFONATE				10 UG/L		U									
N-NITROSODI-N-BUTYLAMINE				20 UG/L		UJ									
N-NITROSODIETHYLAMINE				10 UG/L		UJ									
N-NITROSOMETHYLETHYLAMINE				10 UG/L		UJ									
N-NITROSOMORPHOLINE				10 UG/L		U									
N-NITROSOPIPERIDINE				10 UG/L		U									
N-NITROSOPYRROLIDINE				10 UG/L		R									
O-TOLUIDINE				10 UG/L		U									
P-DIMETHYLAMINOAZOBENZENE				30 UG/L		UJ									
P-PHENYLENEDIAMINE				50 UG/L		UJ									
PENTACHLOROBENZENE				20 UG/L		UJ									
PENTACHLOROETHANE				20 UG/L		U									
PENTACHLORONITROBENZENE				20 UG/L		UJ									
PHENACETIN				10 UG/L		U									
PRONAMIDE				30 UG/L		U									
SAFROLE				10 UG/L		U									
TETRAETHYLPYROPHOSPHATE				3 UG/L		U									
TRANS-1,4-DICHLORO-2-BUTENE				10 UG/L		U									
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE				3 UG/L		U									
DISULFOTON				3 UG/L		U									
FAMPHUR				3 UG/L		U									
METHYL PARATHION				3 UG/L		U									
PARATHION				3 UG/L		U									
PHORATE				3 UG/L		U									
THIONAZIN				3 UG/L		U									

SAMPLE NUMBER:	063925			063925			063925			063946			123028		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			F-UNF			NONE-UNF			DL-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDD	.5 UG/L		U												
4,4'-DDE	.5 UG/L		U												
4,4'-DDT	.5 UG/L		U												
ALDRIN	.25 UG/L		U												
ALPHA-BHC	.25 UG/L		U												
ALPHA-CHLORDANE	2.5 UG/L		U												
AROCLOR-1016	2.5 UG/L		U												
AROCLOR-1221	2.5 UG/L		U												
AROCLOR-1232	2.5 UG/L		U												
AROCLOR-1242	2.5 UG/L		U												
AROCLOR-1248	2.5 UG/L		U												
AROCLOR-1254	5 UG/L		U												
AROCLOR-1260	5 UG/L		U												
BETA-BHC	.25 UG/L		U												
CHLOROBENZILATE	.5 UG/L		U												
DELTA-BHC	.25 UG/L		U												
DIELDRIN	.5 UG/L		U												
ENDOSULFAN II	.5 UG/L		U												
ENDOSULFAN SULFATE	.5 UG/L		U												
ENDOSULFAN-I	.25 UG/L		U												
ENDRIN	.5 UG/L		U												
ENDRIN KETONE	.5 UG/L		U												
GAMMA-BHC (LINDANE)	.25 UG/L		U												
GAMMA-CHLORDANE	2.5 UG/L		U												
HEPTACHLOR	.25 UG/L		U	1.6 NG/L		U									
HEPTACHLOR EPOXIDE	.25 UG/L		U												
METHOXYCHLOR	2.5 UG/L		U												
SULFOTEP				10 UG/L		U									
TOXAPHENE	5 UG/L		U												
RADIONUCLIDES															
URANIUM-238										8.13 PCI/L	1.51	-			
URANIUM, TOTAL										16.6 UG/L	1.8	-			
URANIUM-234										3.84 PCI/L	.96	-			
URANIUM-235/236										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		UJ			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		U			
CESIUM-137										20 PCI/L		U			
GROSS ALPHA										132 PCI/L	93	NV			
GROSS BETA										329 PCI/L	82	NV			
SEMIVOLATILES															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063925			063925			063925			063946			123028		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			F-UNF			NONE-UNF			DL-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				50 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		UJ									
2,4-DINITROPHENOL				50 UG/L		UJ									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				50 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				20 UG/L		U									
3-NITROANILINE				50 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				22 UG/L		-									
4-NITROANILINE				50 UG/L		U									
4-NITROPHENOL				50 UG/L		U									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		U									
BENZO(K)FLUORANTHENE				10 UG/L		U									
BENZOIC ACID				50 UG/L		U									
BENZYL ALCOHOL				3 UG/L		J									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CARBAZOLE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		U									
DIBENZO(A,H)ANTHRACENE				10 UG/L		U									

SAMPLE NUMBER:	063925			063925			063925			063946			123028		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			F-UNF			NONE-UNF			DL-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		U									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		U									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIMETHYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		UJ									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
O,O,O-TRIETHYLPHOSPHOROTHIO ATE				3 UG/L		U									
PENTACHLOROPHENOL				50 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		U									
PYRENE				10 UG/L		U									
PYRIDINE				10 UG/L		U									
TRIBUTYL PHOSPHATE				10 UG/L		U									
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,1-TRICHLOROETHANE				5 UG/L		UJ									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,2-TRICHLOROETHANE				5 UG/L		UJ									
1,1-DICHLOROETHANE				10 UG/L		-									
1,1-DICHLOROETHENE				5 UG/L		U									
1,2-DICHLOROETHANE				5 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U									
1,2-DICHLOROPROPANE				5 UG/L		U									
2-BUTANONE				36 UG/L		-									
2-HEXANONE				10 UG/L		J									
4-METHYL-2-PENTANONE				110 UG/L		J							210 UG/L		-
ACETONE	300 UG/L		J												
BENZENE				2 UG/L		J									
BROMODICHLOROMETHANE				5 UG/L		U									
BROMOFORM				5 UG/L		UJ									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				5 UG/L		U									
CARBON TETRACHLORIDE				5 UG/L		UJ									
CHLOROBENZENE				5 UG/L		U									

SAMPLE NUMBER:	063925			063925			063925			063946			123028		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			F-UNF			NONE-UNF			DL-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				5 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				5 UG/L		U									
DIBROMOCHLOROMETHANE				5 UG/L		UJ									
ETHYLBENZENE				5 UG/L		U									
ISOBUTYL ALCOHOL				33 UG/L		J									
METHYLENE CHLORIDE				25 UG/L		-									
STYRENE				5 UG/L		U									
TETRACHLOROETHENE				5 UG/L		U									
TOLUENE				4 UG/L		J									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		UJ									
TRICHLOROETHENE				5 UG/L		U									
TRICHLOROFLUOROMETHANE				10 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				4 UG/L		J									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	123028	063947	063952	063909	123036
TASK:	10.03.08	10.03.01	10.03.01	10.03.01	10.03.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1767	1768	1768	1768	1768
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-JUN-93	15-NOV-91	19-NOV-91	22-OCT-91	24-JUN-93
NORTH COORDINATE:	481289.27	481392.56	481392.56	481392.56	481392.56
EAST COORDINATE:	1378278.74	1378532.54	1378532.54	1378532.54	1378532.54
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN							1.2 NG/L		U						
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN							.89 NG/L		U						
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN							1.3 NG/L		U						
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN							.46 NG/L		U						
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN							.87 NG/L		U						
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN							.37 NG/L		U						
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN							.91 NG/L		U						
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN							.38 NG/L		U						
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN							1 NG/L		U						
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN							1.9 NG/L		UJ						
1,2,3,7,8-PENTACHLORODIBENZOFURAN							.69 NG/L		U						
1,4-DIOXANE										130 UG/L		J			
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN							.77 NG/L		U						
2,3,4,7,8-PENTACHLORODIBENZOFURAN							.75 NG/L		U						
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN							.68 NG/L		U						
2,3,7,8-TETRACHLORODIBENZOFURAN							.73 NG/L		U						
HEPTACHLORODIBENZO-P-DIOXIN							3.6 NG/L		U						

SAMPLE NUMBER:	123028			063947			063952			063909			123036		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
HEPTACHLORODIBENZOFURANS							.92 NG/L		J						
HEXACHLORODIBENZO-P-DIOXINS							.4 NG/L		U						
HEXACHLORODIBENZOFURANS							.88 NG/L		U						
OCTACHLORODIBENZO-P-DIOXIN							6.5 NG/L		U						
OCTACHLORODIBENZOFURAN							.7 NG/L		-						
PENTACHLORODIBENZO-P-DIOXINS							1.9 NG/L		UJ						
PENTACHLORODIBENZOFURANS							.72 NG/L		U						
TETRACHLORODIBENZO-P-DIOXINS							.33 NG/L		U						
TETRACHLORODIBENZOFURANS							.44 NG/L		U						
GENERAL CHEMISTRY															
AMMONIA										275 MG/L		J			
CHLORIDE										6203 MG/L		-			
FLUORIDE										41.6 MG/L		-			
NITRATE										4650 MG/L		J			
PHOSPHORUS										32 MG/L		-			
SULFATE										120 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON										7.7 MG/L		J			
HERBICIDES															
2,4,5-T	25 UG/L		U							2.2 UG/L		UJ	25 UG/L		U
2,4,5-TP (SILVEX)										2 UG/L		UJ			
2,4-D	10 UG/L		U							11 UG/L		UJ	10 UG/L		U
INORGANICS															
ALUMINUM	.934 MG/L		-	2.17 MG/L		J				.887 MG/L		-	15.3 MG/L		J
ANTIMONY	.005 MG/L		UJ	.503 MG/L		-				.571 MG/L		-	.0078 MG/L		UJ
ARSENIC	.002 MG/L		U	.0347 MG/L		-				.0677 MG/L		J	.0947 MG/L		J
BARIUM	.268 MG/L		-	.449 MG/L		J				.36 MG/L		-	1.13 MG/L		-
BERYLLIUM	.002 MG/L		U	.0057 MG/L		-				.0047 MG/L		J	.006 MG/L		-
BORON				2.82 MG/L		J				2.23 MG/L		-			
CADMIUM	.005 MG/L		U	.254 MG/L		J				.279 MG/L		-	.0077 MG/L		-
CALCIUM	1730 MG/L		-	1050 MG/L		-				1680 MG/L		-	964 MG/L		-
CHROMIUM	.0485 MG/L		-	.01 MG/L		UJ				.01 MG/L		U	.0666 MG/L		-
COBALT	.01 MG/L		U	.595 MG/L		J				.32 MG/L		-	.796 MG/L		-
COPPER	.01 MG/L		U	.145 MG/L		J				.0775 MG/L		-	.336 MG/L		-
CYANIDE	.0204 MG/L		-							.0316 MG/L		-	.002 MG/L		UJ
IRON	.0843 MG/L		-	2.18 MG/L		J				.247 MG/L		-	17.3 MG/L		-
LEAD	.003 MG/L		U	.0183 MG/L		-				.002 MG/L		UJ	.238 MG/L		-
MAGNESIUM	5.96 MG/L		-	2750 MG/L		-				3790 MG/L		-	2590 MG/L		-

SAMPLE NUMBER:	123028			063947			063952			063909			123036		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE	.0132 MG/L		-	4.52 MG/L		-				3.97 MG/L		J	5.44 MG/L		-
MERCURY	.0002 MG/L		U	.0002 MG/L		UJ				.0046 MG/L		-	.00072 MG/L		J
MOLYBDENUM	.0202 MG/L		-	1.57 MG/L		J				.51 MG/L		J	1.71 MG/L		-
NICKEL	.02 MG/L		U	.189 MG/L		J				.02 MG/L		U	.916 MG/L		-
POTASSIUM	132 MG/L		-	1280 MG/L		-				1240 MG/L		-	1170 MG/L		-
SELENIUM	.002 MG/L		UJ	.0583 MG/L		-				.0546 MG/L		J	.0112 MG/L		J
SILICON	.338 MG/L		-	10.1 MG/L		J				6.76 MG/L		-	24.8 MG/L		-
SILVER	.01 MG/L		U	.108 MG/L		J				.115 MG/L		J	.01 MG/L		U
SODIUM	629 MG/L		-	1970 MG/L		-				3140 MG/L		-	1770 MG/L		J
THALLIUM	.01 MG/L		UR	.0055 MG/L		J				.01 MG/L		UJ	.01 MG/L		UR
TIN				.2 MG/L		U				.2 MG/L		U			
VANADIUM	.01 MG/L		U	.334 MG/L		J				.266 MG/L		-	.379 MG/L		-
ZINC	.005 MG/L		U	.063 MG/L		-				.0553 MG/L		J	.168 MG/L		-
No sort code listed.															
1,2,3-TRICHLOROPROPANE										10 UG/L		U			
1,2,4,5-TETRACHLOROBENZENE										10 UG/L		U			
1,2-DIBROMO-3-CHLOROPROPANE										10 UG/L		U			
1,2-DIBROMOETHANE										10 UG/L		U			
1,3,5-TRINITROBENZENE										10 UG/L		U			
1,3-DINITROBENZENE										10 UG/L		U			
1,4-NAPHTHOQUINONE										10 UG/L		UJ			
1-NAPHTHYLAMINE										120 UG/L		U			
2,3,4,6-TETRACHLOROPHENOL										10 UG/L		U			
2,6-DICHLOROPHENOL										10 UG/L		UJ			
2-ACETYLAMINOFLUORENE										10 UG/L		U			
2-CHLORO-1,3-BUTADIENE										10 UG/L		U			
2-NAPHTHYLAMINE										170 UG/L		U			
2-PICOLINE										70 UG/L		UJ			
3,3'-DIMETHYLBENZIDINE										80 UG/L		U			
3-CHLOROPROPENE										10 UG/L		U			
3-METHYLCHOLANTHRENE										30 UG/L		U			
3-METHYLPHENOL										10 UG/L		U			
4-AMINOBIPHENYL										50 UG/L		UJ			
4-CHLOROANILINE										10 UG/L		U			
4-NITROQUINOLINE-1-OXIDE										10 UG/L		UJ			
5-NITRO-O-TOLUIDINE										20 UG/L		UJ			
7,12-DIMETHYLBENZ(A)ANTHRAC ENE										20 UG/L		UJ			
A,A-DIMETHYLPHENETHYLAMINE										10 UG/L		R			
ACETONITRILE										12 UG/L		J			
ACETOPHENONE										10 UG/L		UJ			
ACROLEIN										20 UG/L		U			
ACROLEIN										20 UG/L		U			
ACRYLONITRILE										20 UG/L		U			
ANILINE										50 UG/L		U			

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	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
ARAMITE										10 UG/L		U			
DIALLATE										10 UG/L		UJ			
DIBROMOMETHANE										10 UG/L		U			
DICHLORODIFLUOROMETHANE										200 UG/L		U			
DINOSEB										.76 UG/L		U			
DIPHENYLAMINE										10 UG/L		UJ			
ETHYL CYANIDE										10 UG/L		U			
ETHYL METHACRYLATE										10 UG/L		U			
ETHYL METHANESULFONATE										10 UG/L		UJ			
HEXACHLOROPHENE										50 UG/L		R			
HEXACHLOROPROPENE										20 UG/L		R			
IODOMETHANE										10 UG/L		U			
ISODRIN										.05 UG/L		UJ			
ISOSAFROLE										10 UG/L		UJ			
KEPONE										.1 UG/L		UJ			
METHACRYLONITRILE										10 UG/L		U			
METHAPYRILENE										40 UG/L		R			
METHYL METHACRYLATE										10 UG/L		U			
METHYL METHANESULFONATE										10 UG/L		UJ			
N-NITROSODI-N-BUTYLAMINE										20 UG/L		UJ			
N-NITROSODIETHYLAMINE										10 UG/L		UJ			
N-NITROSOMETHYLETHYLAMINE										10 UG/L		UJ			
N-NITROSOMORPHOLINE										10 UG/L		UJ			
N-NITROSOPIPERIDINE										10 UG/L		UJ			
N-NITROSOPYRROLIDINE										10 UG/L		UJ			
O-TOLUIDINE										10 UG/L		UJ			
P-DIMETHYLAMINOAZOBENZENE										30 UG/L		U			
P-PHENYLENEDIAMINE										50 UG/L		UJ			
PENTACHLOROBENZENE										20 UG/L		U			
PENTACHLOROETHANE										20 UG/L		UJ			
PENTACHLORONITROBENZENE										20 UG/L		U			
PHENACETIN										10 UG/L		U			
PRONAMIDE										30 UG/L		U			
SAFROLE										10 UG/L		UJ			
TETRAETHYLPYROPHOSPHATE										120 UG/L		U			
TRANS-1,4-DICHLORO-2-BUTENE										10 UG/L		U			
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE										30 UG/L		U			
DISULFOTON										30 UG/L		U			
FAMPHUR										30 UG/L		U			
METHYL PARATHION										30 UG/L		U			
PARATHION										30 UG/L		U			
PHORATE										30 UG/L		U			
THIONAZIN										30 UG/L		U			

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	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDE										.1 UG/L		UJ			
4,4'-DDT										.1 UG/L		UJ			
ALDRIN										.05 UG/L		UJ			
ALPHA-BHC										.05 UG/L		UJ			
ALPHA-CHLORDANE										.5 UG/L		UJ			
AROCLOR-1016										.5 UG/L		UJ			
AROCLOR-1221										.5 UG/L		UJ			
AROCLOR-1232										.5 UG/L		UJ			
AROCLOR-1242										.5 UG/L		UJ			
AROCLOR-1248										.5 UG/L		UJ			
AROCLOR-1254										1 UG/L		UJ			
AROCLOR-1260										1 UG/L		UJ			
BETA-BHC										.05 UG/L		UJ			
CHLOROBENZILATE										.1 UG/L		U			
DELTA-BHC										.05 UG/L		UJ			
DIELDRIN										.1 UG/L		UJ			
ENDOSULFAN II										.1 UG/L		UJ			
ENDOSULFAN SULFATE										.1 UG/L		UJ			
ENDOSULFAN-I										.05 UG/L		UJ			
ENDRIN										.1 UG/L		UJ			
ENDRIN KETONE										.1 UG/L		UJ			
GAMMA-BHC (LINDANE)										.05 UG/L		UJ			
GAMMA-CHLORDANE										.5 UG/L		UJ			
HEPTACHLOR							3.6 NG/L		U	.05 UG/L		UJ			
HEPTACHLOR EPOXIDE										.05 UG/L		UJ			
METHOXYCHLOR										.5 UG/L		UJ			
SULFOTEP										30 UG/L		U			
TOXAPHENE										1 UG/L		UJ			
RADIONUCLIDES															
URANIUM-238	580 PCI/L	12.2	J	1246 PCI/L	150	-							1540 PCI/L	330	-
URANIUM, TOTAL	1280 UG/L	180	-	3650 UG/L	480	-							4400 UG/L	610	-
URANIUM-234	81.6 PCI/L	18.2	J	1082 PCI/L	132	-							1450 PCI/L	310	-
THORIUM-230	21.7 PCI/L	4.9	-										4070 PCI/L	1030	-
RADIUM-226				279 PCI/L	40	J							9.79 PCI/L	1.33	J
URANIUM-235/236	6.14 PCI/L	2.37	J	79.5 PCI/L	16.2	-							78 PCI/L	19	-
THORIUM-232	.2 PCI/L	.0918	UJ										108 PCI/L	34	-
THORIUM, TOTAL	1.14 UG/L		UJ										981 UG/L	311	-
RADIUM-228				26.8 PCI/L	4.3	R							46.5 PCI/L	5.1	-
THORIUM-228	.331 PCI/L	.201	J										98.5 PCI/L	31.8	-
NEPTUNIUM-237	.5 PCI/L	.327	UJ										2.88 PCI/L	1.78	-
PLUTONIUM-239/240	.519 PCI/L	.274	J	1 PCI/L		U							.93 PCI/L	.56	UJ

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SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
PLUTONIUM-238	.5 PCI/L	.0902	UJ	1 PCI/L		U							2.92 PCI/L	1.42	-
STRONTIUM-90	1 PCI/L	.482	UJ												
TECHNETIUM-99	16.5 PCI/L	9.86	UJ	90.8 PCI/L	21.6	-							17.3 PCI/L	10.8	UJ
RUTHENIUM-106	150 PCI/L		UJ	150 PCI/L		U							150 PCI/L		UJ
CESIUM-137	16 PCI/L		UJ	20 PCI/L		U							17 PCI/L		UJ
GROSS ALPHA				5178 PCI/L	900	NV									
GROSS BETA				3168 PCI/L	417	NV									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U							3 UG/L		J	10 UG/L		U
1,2-DICHLOROBENZENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
1,3-DICHLOROBENZENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
1,4-DICHLOROBENZENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
2,4,5-TRICHLOROPHENOL	25 UG/L		U							50 UG/L		U	25 UG/L		U
2,4,6-TRICHLOROPHENOL	10 UG/L		U							10 UG/L		U	10 UG/L		U
2,4-DICHLOROPHENOL	10 UG/L		U							10 UG/L		U	10 UG/L		U
2,4-DIMETHYLPHENOL	16 UG/L		-							10 UG/L		U	10 UG/L		U
2,4-DINITROPHENOL	25 UG/L		U							50 UG/L		U	25 UG/L		U
2,4-DINITROTOLUENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
2,6-DINITROTOLUENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
2-CHLORONAPHTHALENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
2-CHLOROPHENOL	10 UG/L		U							10 UG/L		U	10 UG/L		U
2-METHYLNAPHTHALENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
2-METHYLPHENOL	7 UG/L		J							10 UG/L		U	10 UG/L		U
2-NITROANILINE	25 UG/L		U							50 UG/L		U	25 UG/L		U
2-NITROPHENOL	10 UG/L		U							10 UG/L		U	10 UG/L		U
3,3'-DICHLOROBENZIDINE	10 UG/L		U							20 UG/L		U	10 UG/L		U
3-NITROANILINE	25 UG/L		UR							50 UG/L		U	25 UG/L		UR
4,6-DINITRO-2-METHYLPHENOL	25 UG/L		U							50 UG/L		U	25 UG/L		U
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U							10 UG/L		U	10 UG/L		U
4-CHLORO-3-METHYLPHENOL	16 UG/L		-							10 UG/L		U	10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U							10 UG/L		U	10 UG/L		U
4-METHYLPHENOL	10 UG/L		U							10 UG/L		U	10 UG/L		U
4-NITROANILINE	25 UG/L		U							50 UG/L		U	25 UG/L		U
4-NITROPHENOL	25 UG/L		U							50 UG/L		U	25 UG/L		U
ACENAPHTHENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
ACENAPHTHYLENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
ANTHRACENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
BENZO(A)ANTHRACENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
BENZO(A)PYRENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
BENZO(B)FLUORANTHENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
BENZO(G,H,I)PERYLENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
BENZO(K)FLUORANTHENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
BENZOIC ACID										50 UG/L		U			
BENZYL ALCOHOL										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U							10 UG/L		U	10 UG/L		U

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	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U							10 UG/L		U	10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U							10 UG/L		U	10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U							7 UG/L		J	1 UG/L		J
BUTYL BENZYL PHTHALATE	10 UG/L		U							10 UG/L		U	10 UG/L		U
CARBAZOLE	10 UG/L		U										10 UG/L		U
CHRYSENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
DI-N-BUTYL PHTHALATE	10 UG/L		U							10 UG/L		U	10 UG/L		U
DI-N-OCTYL PHTHALATE	10 UG/L		U							10 UG/L		U	10 UG/L		U
DIBENZO(A,H)ANTHRACENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
DIBENZOFURAN	10 UG/L		U							10 UG/L		U	10 UG/L		U
DIETHYL PHTHALATE	10 UG/L		U							10 UG/L		U	10 UG/L		U
DIMETHYL PHTHALATE	10 UG/L		U							10 UG/L		U	10 UG/L		U
FLUORANTHENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
FLUORENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
HEXACHLOROBENZENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
HEXACHLOROBUTADIENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
HEXACHLOROETHANE	10 UG/L		U							10 UG/L		U	10 UG/L		U
INDENO(1,2,3-CD)PYRENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
ISOPHORONE	10 UG/L		U							10 UG/L		U	10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U							10 UG/L		U	10 UG/L		U
N-NITROSODIMETHYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE	10 UG/L		U							10 UG/L		U	10 UG/L		U
NAPHTHALENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
NITROBENZENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
O,O,O-TRIETHYLPHOSPHOROTHIOATE										30 UG/L		UJ			
P-CHLOROANILINE	10 UG/L		U										10 UG/L		U
PENTACHLOROPHENOL	25 UG/L		U							50 UG/L		U	25 UG/L		U
PHENANTHRENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
PHENOL	25 UG/L		-							10 UG/L		U	10 UG/L		UR
PYRENE	10 UG/L		U							10 UG/L		U	10 UG/L		U
VOLATILES															
1,1,1,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,1-TRICHLOROETHANE	8 UG/L		J							32 UG/L		U	61 UG/L		J
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U							5 UG/L		U	10 UG/L		U
1,1,2-TRICHLOROETHANE	10 UG/L		U							5 UG/L		U	10 UG/L		U
1,1-DICHLOROETHANE	14 UG/L		-							5 UG/L		U	13 UG/L		U
1,1-DICHLOROETHENE	10 UG/L		U							2 UG/L		J	2 UG/L		J
1,2-DICHLOROETHANE	10 UG/L		U							2 UG/L		J	4 UG/L		J
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U							5 UG/L		U	10 UG/L		U
1,2-DICHLOROPROPANE	10 UG/L		U							5 UG/L		U	10 UG/L		U
2-BUTANONE	54 UG/L		J							10 UG/L		U	10 UG/L		U
2-HEXANONE	11 UG/L		-							10 UG/L		U	10 UG/L		U

SAMPLE NUMBER:	123028			063947			063952			063909			123036		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
4-METHYL-2-PENTANONE										10 UG/L		U	10 UG/L		U
ACETONE	490 UG/L		J							10 UG/L		U	4 UG/L		J
BENZENE	2 UG/L		J							5 UG/L		U	10 UG/L		U
BROMODICHLOROMETHANE	10 UG/L		U							5 UG/L		U	10 UG/L		U
BROMOFORM	10 UG/L		U							5 UG/L		U	10 UG/L		U
BROMOMETHANE	10 UG/L		U							10 UG/L		U	10 UG/L		U
CARBON DISULFIDE	10 UG/L		U							5 UG/L		U	10 UG/L		U
CARBON TETRACHLORIDE	10 UG/L		U							5 UG/L		U	10 UG/L		U
CHLOROBENZENE	10 UG/L		U							5 UG/L		U	10 UG/L		U
CHLOROETHANE	10 UG/L		U							10 UG/L		U	10 UG/L		U
CHLOROFORM	10 UG/L		U							7 UG/L		U	8 UG/L		J
CHLOROMETHANE	3 UG/L		J							10 UG/L		U	10 UG/L		U
CIS-1,3-DICHLOROPROPENE	10 UG/L		U							5 UG/L		U	10 UG/L		U
DIBROMOCHLOROMETHANE	10 UG/L		U							5 UG/L		U	10 UG/L		U
ETHYLBENZENE	10 UG/L		U							5 UG/L		U	10 UG/L		U
ISOBUTYL ALCOHOL										200 UG/L		UJ			
METHYLENE CHLORIDE	28 UG/L		UJ							20 UG/L		-	10 UG/L		U
STYRENE	10 UG/L		U							5 UG/L		U	10 UG/L		U
TETRACHLOROETHENE	10 UG/L		U							5 UG/L		U	10 UG/L		U
TOLUENE	3 UG/L		J							5 UG/L		U	10 UG/L		U
TRANS-1,3-DICHLOROPROPENE	10 UG/L		UJ							5 UG/L		U	10 UG/L		U
TRICHLOROETHENE	10 UG/L		U							5 UG/L		U	10 UG/L		U
TRICHLOROFLUOROMETHANE										10 UG/L		U			
VINYL ACETATE	10 UG/L		U							10 UG/L		U	10 UG/L		U
VINYL CHLORIDE	10 UG/L		U							1 UG/L		J	10 UG/L		U
XYLENES, TOTAL	3 UG/L		J							5 UG/L		U	10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	123047	063948	063948	063907	123032
TASK:	10.03.08	10.03.01	10.03.01	10.03.01	10.03.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1768	1769	1769	1769	1769
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-JUN-93	15-NOV-91	15-NOV-91	22-OCT-91	24-JUN-93
NORTH COORDINATE:	481392.56	481474.32	481474.32	481474.32	481474.32
EAST COORDINATE:	1378532.54	1378468.56	1378468.56	1378468.56	1378468.56
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	123036				
SUFFIX/FILTERFLAG:	NONE-FIL	F-UNF	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN										.84 NG/L		UJ			
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN										1.5 NG/L		U			
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN										2.2 NG/L		U			
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN										1.6 NG/L		U			
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN										1.6 NG/L		U			
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN										1.3 NG/L		U			
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN										1.5 NG/L		U			
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN										1.4 NG/L		U			
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN										1.9 NG/L		U			
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN										1 NG/L		U			
1,2,3,7,8-PENTACHLORODIBENZOFURAN										1 NG/L		U			
1,4-DIOXANE										12 UG/L		J			
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN										1.7 NG/L		U			
2,3,4,7,8-PENTACHLORODIBENZOFURAN										1.1 NG/L		U			
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN										1.1 NG/L		U			
2,3,7,8-TETRACHLORODIBENZOFURAN										.65 NG/L		U			
HEPTACHLORODIBENZO-P-DIOXIN										.84 NG/L		UJ			

6417

000333

SAMPLE NUMBER:	123047			063948			063948			063907			123032		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			F-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
HEPTACHLORODIBENZOFURANS										1.8 NG/L		U			
HEXACHLORODIBENZO-P-DIOXINS										3 NG/L		U			
HEXACHLORODIBENZOFURANS										1.7 NG/L		U			
OCTACHLORODIBENZO-P-DIOXIN										4.2 NG/L		J			
OCTACHLORODIBENZOFURAN										1.4 NG/L		U			
PENTACHLORODIBENZO-P-DIOXINS										1 NG/L		U			
PENTACHLORODIBENZOFURANS										1.1 NG/L		U			
TETRACHLORODIBENZO-P-DIOXINS										.44 NG/L		U			
TETRACHLORODIBENZOFURANS										.54 NG/L		U			
GENERAL CHEMISTRY															
AMMONIA										73.8 MG/L		J			
CHLORIDE										1816 MG/L		-			
FLUORIDE										61 MG/L		-			
NITRATE										232 MG/L		J			
PHOSPHORUS										25.3 MG/L		-			
SULFATE										198 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON										3.48 MG/L		J			
HERBICIDES															
2,4,5-T	25 UG/L		U							2.2 UG/L		U	25 UG/L		U
2,4,5-TP (SILVEX)										2 UG/L		U			
2,4-D	10 UG/L		U							11 UG/L		U	10 UG/L		U
INORGANICS															
ALUMINUM	16.9 MG/L		J	2.74 MG/L		J				.406 MG/L		-	4.04 MG/L		J
ANTIMONY	.0081 MG/L		UJ	.176 MG/L		-				.184 MG/L		-	.005 MG/L		UJ
ARSENIC	.118 MG/L		J	.0391 MG/L		-				.0274 MG/L		J	.0202 MG/L		J
BARIUM	1.07 MG/L		-	.34 MG/L		J				.319 MG/L		-	.602 MG/L		-
BERYLLIUM	.006 MG/L		-	.0036 MG/L		-				.0026 MG/L		J	.002 MG/L		U
BORON				.47 MG/L		J				.932 MG/L		-			
CADMIUM	.005 MG/L		U	.0451 MG/L		J				.0488 MG/L		-	.005 MG/L		U
CALCIUM	961 MG/L		-	769 MG/L		-				753 MG/L		-	939 MG/L		-
CHROMIUM	.0689 MG/L		-	.109 MG/L		-				.0889 MG/L		-	.025 MG/L		-
COBALT	.782 MG/L		-	.0872 MG/L		J				.0521 MG/L		J	.0643 MG/L		-
COPPER	.321 MG/L		-	.0911 MG/L		J				.0424 MG/L		-	.0601 MG/L		-
CYANIDE	.002 MG/L		UJ							.0388 MG/L		R	.124 MG/L		-
IRON	16.9 MG/L		-	3.24 MG/L		J				.104 MG/L		-	3.61 MG/L		-
LEAD	.225 MG/L		-	.0446 MG/L		-				.002 MG/L		U	.0539 MG/L		-
MAGNESIUM	2620 MG/L		-	301 MG/L		-				338 MG/L		-	370 MG/L		-

SAMPLE NUMBER:	123047			063948			063948			063907			123032		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			F-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE	5.4 MG/L		-	3.59 MG/L		-				3.63 MG/L		J	6.27 MG/L		-
MERCURY	.0007 MG/L		J	.0002 MG/L		UJ				.0019 MG/L		-	.0002 MG/L		U
MOLYBDENUM	1.7 MG/L		-	.0825 MG/L		J				.169 MG/L		J	.02 MG/L		U
NICKEL	.911 MG/L		-	.17 MG/L		J				.107 MG/L		-	.168 MG/L		-
POTASSIUM	1370 MG/L		-	18 MG/L		-				39.9 MG/L		-	20.2 MG/L		-
SELENIUM	.0608 MG/L		J	.006 MG/L		J				.0146 MG/L		J	.002 MG/L		UJ
SILICON	29.7 MG/L		-	8.23 MG/L		J				5.51 MG/L		-	10.2 MG/L		-
SILVER	.01 MG/L		U	.0836 MG/L		J				.0801 MG/L		J	.01 MG/L		U
SODIUM	3250 MG/L		J	92.8 MG/L		-				147 MG/L		-	130 MG/L		-
THALLIUM	.01 MG/L		UR	.002 MG/L		UJ				.01 MG/L		J	.01 MG/L		UR
TIN				.2 MG/L		U				.2 MG/L		U			
VANADIUM	.373 MG/L		-	.102 MG/L		J				.0925 MG/L		-	.0285 MG/L		-
ZINC	.177 MG/L		-	.0388 MG/L		J				.022 MG/L		-	.0515 MG/L		-
No sort code listed.															
1,2,3-TRICHLOROPROPANE										10 UG/L		U			
1,2,4,5-TETRACHLOROBENZENE										10 UG/L		R			
1,2-DIBROMO-3-CHLOROPROPANE										10 UG/L		U			
1,2-DIBROMOETHANE										10 UG/L		U			
1,3,5-TRINITROBENZENE										10 UG/L		R			
1,3-DINITROBENZENE										10 UG/L		R			
1,4-NAPHTHOQUINONE										10 UG/L		R			
1-NAPHTHYLAMINE										120 UG/L		R			
2,3,4,6-TETRACHLOROPHENOL										10 UG/L		U			
2,6-DICHLOROPHENOL										10 UG/L		UJ			
2-ACETYLAMINOFLUORENE										10 UG/L		R			
2-CHLORO-1,3-BUTADIENE										10 UG/L		U			
2-NAPHTHYLAMINE										170 UG/L		R			
2-PICOLINE										70 UG/L		R			
3,3'-DIMETHYLBENZIDINE										80 UG/L		R			
3-CHLOROPROPENE										10 UG/L		U			
3-METHYLCHOLANTHRENE										30 UG/L		R			
3-METHYLPHENOL										10 UG/L		U			
4-AMINOBIPHENYL										50 UG/L		R			
4-CHLOROANILINE										10 UG/L		R			
4-NITROQUINOLINE-1-OXIDE										10 UG/L		R			
5-NITRO-O-TOLUIDINE										20 UG/L		R			
7,12-DIMETHYLBENZ(A)ANTHRACENE										20 UG/L		R			
A,A-DIMETHYLPHENETHYLAMINE										10 UG/L		R			
ACETONITRILE										20 UG/L		U			
ACETOPHENONE										10 UG/L		R			
ACROLEIN										20 UG/L		U			
ACROLEIN										20 UG/L		U			
ACRYLONITRILE										20 UG/L		R			
ANILINE										50 UG/L		R			

SAMPLE NUMBER:	123047			063948			063948			063907			123032		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			F-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
ARAMITE										10 UG/L		R			
DIALLATE										10 UG/L		R			
DIBROMOMETHANE										10 UG/L		U			
DICHLORODIFLUOROMETHANE										200 UG/L		R			
DINOSEB										.76 UG/L		U			
DIPHENYLAMINE										10 UG/L		R			
ETHYL CYANIDE										10 UG/L		U			
ETHYL METHACRYLATE										10 UG/L		U			
ETHYL METHANESULFONATE										10 UG/L		R			
HEXACHLOROPHENE										50 UG/L		R			
HEXACHLOROPROPENE										20 UG/L		R			
IODOMETHANE										10 UG/L		U			
ISODRIN										.05 UG/L		UJ			
ISOSAFROLE										10 UG/L		R			
KEPONE										.1 UG/L		UJ			
METHACRYLONITRILE										10 UG/L		U			
METHAPYRILENE										40 UG/L		R			
METHYL METHACRYLATE										10 UG/L		U			
METHYL METHANESULFONATE										10 UG/L		R			
N-NITROSODI-N-BUTYLAMINE										20 UG/L		R			
N-NITROSODIETHYLAMINE										10 UG/L		R			
N-NITROSOMETHYLETHYLAMINE										10 UG/L		R			
N-NITROSOMORPHOLINE										10 UG/L		R			
N-NITROSOPIPERIDINE										10 UG/L		R			
N-NITROSOPYRROLIDINE										10 UG/L		R			
O-TOLUIDINE										10 UG/L		R			
P-DIMETHYLAMINOAZOBENZENE										30 UG/L		R			
P-PHENYLENEDIAMINE										50 UG/L		R			
PENTACHLOROBENZENE										20 UG/L		R			
PENTACHLOROETHANE										20 UG/L		R			
PENTACHLORONITROBENZENE										20 UG/L		R			
PHENACETIN										10 UG/L		R			
PRONAMIDE										30 UG/L		R			
SAFROLE										10 UG/L		R			
TETRAETHYLPYROPHOSPHATE										12 UG/L		U			
TRANS-1,4-DICHLORO-2-BUTENE										10 UG/L		U			
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE										3 UG/L		U			
DISULFOTON										3 UG/L		U			
FAMPHUR										3 UG/L		U			
METHYL PARATHION										3 UG/L		U			
PARATHION										3 UG/L		U			
PHORATE										3 UG/L		U			
THIONAZIN										3 UG/L		U			

SAMPLE NUMBER:	123047			063948			063948			063907			123032		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			F-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDE										.1 UG/L		UJ			
4,4'-DDT										.1 UG/L		UJ			
ALDRIN										.05 UG/L		UJ			
ALPHA-BHC										.05 UG/L		UJ			
ALPHA-CHLORDANE										.5 UG/L		UJ			
AROCLOR-1016										.5 UG/L		UJ			
AROCLOR-1221										.5 UG/L		UJ			
AROCLOR-1232										.5 UG/L		UJ			
AROCLOR-1242										.5 UG/L		UJ			
AROCLOR-1248										.5 UG/L		UJ			
AROCLOR-1254										1 UG/L		UJ			
AROCLOR-1260										1 UG/L		UJ			
BETA-BHC										.05 UG/L		UJ			
CHLOROBENZILATE										.1 UG/L		UJ			
DELTA-BHC										.05 UG/L		UJ			
DIELDRIN										.1 UG/L		UJ			
ENDOSULFAN II										.1 UG/L		UJ			
ENDOSULFAN SULFATE										.1 UG/L		UJ			
ENDOSULFAN-I										.05 UG/L		UJ			
ENDRIN										.1 UG/L		UJ			
ENDRIN KETONE										.1 UG/L		UJ			
GAMMA-BHC (LINDANE)										.05 UG/L		UJ			
GAMMA-CHLORDANE										.5 UG/L		UJ			
HEPTACHLOR										.05 UG/L		UJ			
HEPTACHLOR EPOXIDE										.05 UG/L		UJ			
METHOXYCHLOR										.5 UG/L		UJ			
SULFOTEP										3 UG/L		R			
TOXAPHENE										1 UG/L		UJ			
RADIONUCLIDES															
URANIUM-238	1570 PCI/L	340	-				267 PCI/L	35	-				215 PCI/L	48	-
URANIUM, TOTAL	4210 UG/L	580	-				776 UG/L	103	-				557 UG/L	77	-
URANIUM-234	1470 PCI/L	320	-				188 PCI/L	25	-				168 PCI/L	38	-
THORIUM-230	2870 PCI/L	660	-										479 PCI/L	103	-
RADIUM-226	13.4 PCI/L	1.7	J				72.4 PCI/L	10.4	J				5.25 PCI/L	.8	J
URANIUM-235/236	71 PCI/L	18.3	-				11.6 PCI/L	3	-				8.67 PCI/L	2.25	-
THORIUM-232	66.7 PCI/L	19.2	-										9.1 PCI/L	2.13	-
THORIUM, TOTAL	607 UG/L	175	-										83 UG/L	19.4	-
RADIUM-228	55.6 PCI/L	5.9	J				3.1 PCI/L	1.13	R				13.9 PCI/L	1.9	J
THORIUM-228	70 PCI/L	20	-										9.18 PCI/L	2.14	-
NEPTUNIUM-237	1.89 PCI/L	1.25	UJ										.5 PCI/L	.129	U
PLUTONIUM-239/240	.92 PCI/L	.665	UJ				1 PCI/L		U				.5 PCI/L	.0824	UJ

SAMPLE NUMBER:	123047			063948			063948			063907			123032		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			F-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
PLUTONIUM-238	1.32 PCI/L	.773	UJ				1 PCI/L		U				.5 PCI/L	.126	UJ
STRONTIUM-90	24.6 PCI/L	4.1	-				6.56 PCI/L	1.53	-				1 PCI/L	.292	UJ
TECHNETIUM-99	17.6 PCI/L	10.8	UJ				30 PCI/L		U				17.2 PCI/L	9.97	UJ
RUTHENIUM-106	150 PCI/L		UJ				150 PCI/L		U				150 PCI/L		UJ
CESIUM-137	18 PCI/L		UJ				20 PCI/L		U				11 PCI/L		UJ
GROSS ALPHA							991 PCI/L	168	NV						
GROSS BETA							417 PCI/L	58	NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		UJ							10 UG/L		R	10 UG/L		U
1,2-DICHLOROBENZENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
1,3-DICHLOROBENZENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
1,4-DICHLOROBENZENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
2,4,5-TRICHLOROPHENOL	25 UG/L		U							50 UG/L		U	25 UG/L		U
2,4,6-TRICHLOROPHENOL	10 UG/L		U							10 UG/L		U	10 UG/L		U
2,4-DICHLOROPHENOL	10 UG/L		U							10 UG/L		U	10 UG/L		U
2,4-DIMETHYLPHENOL	10 UG/L		U							10 UG/L		U	10 UG/L		U
2,4-DINITROPHENOL	25 UG/L		UJ							50 UG/L		U	25 UG/L		U
2,4-DINITROTOLUENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
2,6-DINITROTOLUENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
2-CHLORONAPHTHALENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
2-CHLOROPHENOL	10 UG/L		U							10 UG/L		U	10 UG/L		U
2-METHYLNAPHTHALENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
2-METHYLPHENOL	10 UG/L		U							10 UG/L		U	10 UG/L		U
2-NITROANILINE	25 UG/L		UJ							50 UG/L		R	25 UG/L		U
2-NITROPHENOL	10 UG/L		U							10 UG/L		U	10 UG/L		U
3,3'-DICHLOROBENZIDINE	10 UG/L		U							20 UG/L		R	10 UG/L		U
3-NITROANILINE	25 UG/L		UJ							50 UG/L		R	25 UG/L		UR
4,6-DINITRO-2-METHYLPHENOL	25 UG/L		U							50 UG/L		U	25 UG/L		U
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U							10 UG/L		R	10 UG/L		U
4-CHLORO-3-METHYLPHENOL	10 UG/L		UJ							10 UG/L		U	10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U							10 UG/L		R	10 UG/L		U
4-METHYLPHENOL	10 UG/L		U							10 UG/L		U	10 UG/L		U
4-NITROANILINE	25 UG/L		U							50 UG/L		R	25 UG/L		U
4-NITROPHENOL	12 UG/L		J							50 UG/L		U	25 UG/L		U
ACENAPHTHENE	10 UG/L		U							12 UG/L		J	12 UG/L		-
ACENAPHTHYLENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
ANTHRACENE	10 UG/L		U							2 UG/L		J	2 UG/L		J
BENZO(A)ANTHRACENE	10 UG/L		U							10 UG/L		R	1 UG/L		J
BENZO(A)PYRENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
BENZO(B)FLUORANTHENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
BENZO(G,H,I)PERYLENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
BENZO(K)FLUORANTHENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
BENZOIC ACID										50 UG/L		U			
BENZYL ALCOHOL										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U							10 UG/L		R	10 UG/L		U

SAMPLE NUMBER:	123047			063948			063948			063907			123032		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			F-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BIS(2-CHLOROETHYL)ETHER	10 UG/L		UJ							10 UG/L		R	10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UJ							10 UG/L		R	10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE	2 UG/L		J							10 UG/L		R	2 UG/L		J
BUTYL BENZYL PHTHALATE	10 UG/L		U							10 UG/L		R	10 UG/L		U
CARBAZOLE	10 UG/L		U										7 UG/L		J
CHRYSENE	10 UG/L		U							10 UG/L		R	2 UG/L		J
DI-N-BUTYL PHTHALATE	10 UG/L		U							10 UG/L		R	10 UG/L		U
DI-N-OCTYL PHTHALATE	10 UG/L		U							10 UG/L		R	10 UG/L		U
DIBENZO(A,H)ANTHRACENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
DIBENZOFURAN	10 UG/L		U							5 UG/L		J	8 UG/L		J
DIETHYL PHTHALATE	10 UG/L		U							10 UG/L		R	10 UG/L		U
DIMETHYL PHTHALATE	10 UG/L		U							10 UG/L		R	10 UG/L		U
FLUORANTHENE	10 UG/L		U							9 UG/L		J	9 UG/L		J
FLUORENE	10 UG/L		U							6 UG/L		J	13 UG/L		-
HEXACHLOROBENZENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
HEXACHLOROBUTADIENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UJ							10 UG/L		R	10 UG/L		U
HEXACHLOROETHANE	10 UG/L		U							10 UG/L		R	10 UG/L		U
INDENO(1,2,3-CD)PYRENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
ISOPHORONE	10 UG/L		U							10 UG/L		R	10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		UJ							10 UG/L		R	10 UG/L		U
N-NITROSODIMETHYLAMINE										10 UG/L		R			
N-NITROSODIPHENYLAMINE	10 UG/L		U							10 UG/L		R	10 UG/L		U
NAPHTHALENE	10 UG/L		U							10 UG/L		R	2 UG/L		J
NITROBENZENE	10 UG/L		U							10 UG/L		R	10 UG/L		U
O,O,O-TRIETHYLPHOSPHOROTHIO ATE										3 UG/L		R			
P-CHLOROANILINE	10 UG/L		U										10 UG/L		U
PENTACHLOROPHENOL	25 UG/L		U							50 UG/L		U	25 UG/L		U
PHENANTHRENE	10 UG/L		U							10 UG/L		R	35 UG/L		-
PHENOL	10 UG/L		UR							10 UG/L		U	10 UG/L		U
PYRENE	10 UG/L		U							7 UG/L		J	8 UG/L		J
VOLATILES															
1,1,1,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,1-TRICHLOROETHANE	62 UG/L		J							5 UG/L		U	37 UG/L		-
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U							5 UG/L		U	10 UG/L		U
1,1,2-TRICHLOROETHANE	10 UG/L		U							5 UG/L		U	10 UG/L		U
1,1-DICHLOROETHANE	13 UG/L		U							5 UG/L		U	10 UG/L		U
1,1-DICHLOROETHENE	3 UG/L		J							5 UG/L		U	10 UG/L		U
1,2-DICHLOROETHANE	4 UG/L		J							5 UG/L		U	10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U							5 UG/L		U	10 UG/L		U
1,2-DICHLOROPROPANE	10 UG/L		U							5 UG/L		U	10 UG/L		U
2-BUTANONE	10 UG/L		UJ							10 UG/L		U	10 UG/L		UJ
2-HEXANONE	10 UG/L		U							10 UG/L		U	10 UG/L		U

SAMPLE NUMBER:	123047			063948			063948			063907			123032		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			F-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
4-METHYL-2-PENTANONE	10 UG/L		U							10 UG/L		U	10 UG/L		U
ACETONE	10 UG/L		U							10 UG/L		UJ	16 UG/L		J
BENZENE	10 UG/L		U							5 UG/L		U	10 UG/L		U
BROMODICHLOROMETHANE	10 UG/L		U							5 UG/L		U	10 UG/L		U
BROMOFORM	10 UG/L		U							5 UG/L		U	10 UG/L		U
BROMOMETHANE	10 UG/L		U							10 UG/L		UJ	10 UG/L		U
CARBON DISULFIDE	10 UG/L		U							5 UG/L		U	10 UG/L		U
CARBON TETRACHLORIDE	10 UG/L		U							5 UG/L		U	10 UG/L		U
CHLOROBENZENE	10 UG/L		U							5 UG/L		U	10 UG/L		U
CHLOROETHANE	10 UG/L		U							10 UG/L		U	10 UG/L		U
CHLOROFORM	8 UG/L		J							5 UG/L		U	10 UG/L		U
CHLOROMETHANE	10 UG/L		U							10 UG/L		UJ	10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE	10 UG/L		U							5 UG/L		U	10 UG/L		U
DIBROMOCHLOROMETHANE	10 UG/L		U							5 UG/L		U	10 UG/L		U
ETHYLBENZENE	10 UG/L		U							5 UG/L		U	10 UG/L		U
ISOBUTYL ALCOHOL										200 UG/L		UJ			
METHYLENE CHLORIDE	10 UG/L		U							5 UG/L		U	10 UG/L		U
STYRENE	10 UG/L		U							5 UG/L		U	10 UG/L		U
TETRACHLOROETHENE	10 UG/L		U							5 UG/L		U	10 UG/L		U
TOLUENE	10 UG/L		U							5 UG/L		U	10 UG/L		U
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U							5 UG/L		U	10 UG/L		UJ
TRICHLOROETHENE	10 UG/L		U							5 UG/L		U	10 UG/L		U
TRICHLOROFLUOROMETHANE										10 UG/L		U			
VINYL ACETATE	10 UG/L		U							10 UG/L		U	10 UG/L		U
VINYL CHLORIDE	10 UG/L		U							160 UG/L		-	20 UG/L		-
XYLENES, TOTAL	10 UG/L		U							5 UG/L		U	10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063930	063930	063930	063930	063949
TASK:	10.03.01	10.03.01	10.03.01	10.03.01	10.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1770	1770	1770	1770	1770
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-NOV-91	07-NOV-91	07-NOV-91	07-NOV-91	15-NOV-91
NORTH COORDINATE:	481680.61	481680.61	481680.61	481680.61	481680.61
EAST COORDINATE:	1378159.99	1378159.99	1378159.99	1378159.99	1378159.99
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-FIL	NONE-FIL	R-FIL	NONE-UNF	F-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
BROMIDE				200 MG/L		U									
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN				.45 NG/L		U									
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN				.78 NG/L		U									
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN				1.1 NG/L		U									
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN				.98 NG/L		U									
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN				.65 NG/L		U									
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN				.78 NG/L		U									
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN				.57 NG/L		U									
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN				.82 NG/L		U									
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN				.75 NG/L		U									
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN				3.5 NG/L		U									
1,2,3,7,8-PENTACHLORODIBENZOFURAN				.49 NG/L		U									
1,4-DIOXANE				1000 UG/L		J									
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN				.68 NG/L		U									
2,3,4,7,8-PENTACHLORODIBENZOFURAN				.53 NG/L		U									
2,3,7,8-TETRACHLORODIBENZO-				.92 NG/L		U									

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063930			063930			063930			063930			063949		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
2,3,7,8-TETRACHLORODIBENZOFURAN				.87 NG/L		U									
HEPTACHLORODIBENZO-P-DIOXINS				.45 NG/L		U									
HEPTACHLORODIBENZOFURANS				.92 NG/L		U									
HEXACHLORODIBENZO-P-DIOXINS				.85 NG/L		U									
HEXACHLORODIBENZOFURANS				.65 NG/L		U									
OCTACHLORODIBENZO-P-DIOXIN				3.1 NG/L		J									
OCTACHLORODIBENZOFURAN				.38 NG/L		UJ									
PENTACHLORODIBENZO-P-DIOXINS				3.5 NG/L		U									
PENTACHLORODIBENZOFURANS				.51 NG/L		U									
TETRACHLORODIBENZO-P-DIOXINS				.27 NG/L		U									
TETRACHLORODIBENZOFURANS				.27 NG/L		U									
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				470 MG/L		-									
AMMONIA				2277 MG/L		-									
CHLORIDE				15000 MG/L		-									
FLUORIDE				80 MG/L		U									
NITRATE				5338 MG/L		-									
PH				7.32 SU		-	10 UG/L		R						
PHOSPHATE				200 MG/L		U									
SULFATE				4000 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				23.3 MG/L		-									
HERBICIDES															
2,4,5-T	4.1 UG/L		U				50 UG/L		R						
2,4,5-TP (SILVEX)	3.7 UG/L		U												
2,4-D	21 UG/L		U				10 UG/L		R						
INORGANICS															
ALUMINUM										.942 MG/L		J	3.34 MG/L		J
ANTIMONY										.656 MG/L		-	.642 MG/L		-
ARSENIC										.24 MG/L		J	.27 MG/L		-
BARIUM										.168 MG/L		J	.404 MG/L		J
BERYLLIUM										.0052 MG/L		-	.0062 MG/L		-
BORON										5.48 MG/L		J	5.13 MG/L		J
CADMIUM										.311 MG/L		J	.406 MG/L		J
CALCIUM										1870 MG/L		-	1740 MG/L		-
CHROMIUM										.01 MG/L		U	.01 MG/L		UJ

SAMPLE NUMBER:	063930			063930			063930			063930			063949		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT										.117 MG/L		J	.128 MG/L		J
COPPER										.491 MG/L		J	.6 MG/L		J
CYANIDE				.0275 MG/L		J									
IRON										.259 MG/L		J	3.58 MG/L		J
LEAD										.002 MG/L		UJ	.169 MG/L		-
MAGNESIUM										4140 MG/L		-	3830 MG/L		-
MANGANESE										132 MG/L		-	134 MG/L		-
MERCURY				.00063 MG/L		-							.00028 MG/L		J
MOLYBDENUM										2.34 MG/L		J	2.31 MG/L		J
NICKEL										.02 MG/L		UJ	.02 MG/L		UJ
POTASSIUM										480 MG/L		-	431 MG/L		-
SELENIUM										.067 MG/L		J	.0133 MG/L		-
SILICON										2.46 MG/L		J	5.04 MG/L		J
SILVER										.141 MG/L		J	.14 MG/L		J
SODIUM										3410 MG/L		-	2960 MG/L		-
THALLIUM										.0244 MG/L		J	.191 MG/L		J
TIN										.2 MG/L		U	.2 MG/L		U
VANADIUM										.46 MG/L		J	.643 MG/L		J
ZINC										.0434 MG/L		-	.0934 MG/L		-
No sort code listed.															
1,2,3-TRICHLOROPROPANE				10 UG/L		U									
1,2,4,5-TETRACHLOROBENZENE							10 UG/L		R						
1,2-DIBROMO-3-CHLOROPROPANE				10 UG/L		U									
1,2-DIBROMOETHANE				10 UG/L		U									
1,3,5-TRINITROBENZENE							10 UG/L		R						
1,3-DINITROBENZENE							10 UG/L		R						
1,4-NAPHTHOQUINONE							10 UG/L		R						
1-NAPHTHYLAMINE							120 UG/L		R						
2,3,4,6-TETRACHLOROPHENOL							10 UG/L		R						
2,6-DICHLOROPHENOL							10 UG/L		R						
2-ACETYLAMINOFLUORENE							10 UG/L		R						
2-CHLORO-1,3-BUTADIENE				10 UG/L		UJ									
2-NAPHTHYLAMINE							170 UG/L		R						
2-PICOLINE							70 UG/L		R						
3,3'-DIMETHYLBENZIDINE							80 UG/L		R						
3-CHLOROPROPENE				10 UG/L		UJ									
3-METHYLCHOLANTHRENE							30 UG/L		R						
3-METHYLPHENOL							10 UG/L		R						
4-AMINOBIPHENYL							50 UG/L		R						
4-CHLOROANILINE							10 UG/L		R						
4-NITROQUINOLINE-1-OXIDE							10 UG/L		R						
5-NITRO-O-TOLUIDINE							20 UG/L		R						
7,12-DIMETHYLBENZ(A)ANTHRACENE							20 UG/L		R						
A,A-DIMETHYLPHENETHYLAMINE							10 UG/L		R						

SAMPLE NUMBER:	063930			063930			063930			063930			063949		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
ACETONITRILE				58 UG/L		J									
ACETOPHENONE							3 UG/L		R						
ACROLEIN				20 UG/L		UJ									
ACROLEIN				20 UG/L		UJ									
ACRYLONITRILE				20 UG/L		R									
ANILINE							50 UG/L		R						
ARAMITE							10 UG/L		R						
DIALLATE							10 UG/L		R						
DIBROMOMETHANE				10 UG/L		U									
DICHLORODIFLUOROMETHANE				200 UG/L		R									
DINOSEB	1.4 UG/L		U	.72 UG/L		R	20 UG/L		R						
DIPHENYLAMINE							10 UG/L		R						
ETHYL CYANIDE				4 UG/L		J									
ETHYL METHACRYLATE				10 UG/L		U									
ETHYL METHANESULFONATE							10 UG/L		R						
HEXACHLOROPHENE							50 UG/L		R						
HEXACHLOROPROPENE							20 UG/L		R						
IODOMETHANE				10 UG/L		U									
ISODRIN	.5 UG/L		U												
ISOSAFROLE							10 UG/L		R						
KEPONE	1 UG/L		U												
METHACRYLONITRILE				10 UG/L		U									
METHAPYRILENE							40 UG/L		R						
METHYL METHACRYLATE				10 UG/L		U									
METHYL METHANESULFONATE							10 UG/L		R						
N-NITROSODI-N-BUTYLAMINE							20 UG/L		R						
N-NITROSODIETHYLAMINE							10 UG/L		R						
N-NITROSOMETHYLETHYLAMINE							10 UG/L		R						
N-NITROSOMORPHOLINE							10 UG/L		R						
N-NITROSOPIPERIDINE							10 UG/L		R						
N-NITROSOPYRROLIDINE							10 UG/L		R						
O-TOLUIDINE							10 UG/L		R						
P-DIMETHYLAMINOAZOBENZENE							30 UG/L		R						
P-PHENYLENEDIAMINE							50 UG/L		R						
PENTACHLOROBENZENE							20 UG/L		R						
PENTACHLOROETHANE							20 UG/L		R						
PENTACHLORONITROBENZENE							20 UG/L		R						
PHENACETIN							10 UG/L		R						
PRONAMIDE							30 UG/L		R						
SAFROLE							10 UG/L		R						
TRANS-1,4-DICHLORO-2-BUTENE				10 UG/L		UJ									
PESTICIDES															
4,4'-DDD	1 UG/L		U												
4,4'-DDE	1 UG/L		U												
4,4'-DDT	1 UG/L		U												

SAMPLE NUMBER:	063930			063930			063930			063930			063949		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALDRIN	.5 UG/L		U												
ALPHA-BHC	.5 UG/L		U												
ALPHA-CHLORDANE	5 UG/L		U												
AROCLOR-1016	5 UG/L		U												
AROCLOR-1221	5 UG/L		U												
AROCLOR-1232	5 UG/L		U												
AROCLOR-1242	5 UG/L		U												
AROCLOR-1248	5 UG/L		U												
AROCLOR-1254	10 UG/L		U												
AROCLOR-1260	10 UG/L		U												
BETA-BHC	.5 UG/L		U												
CHLOROBENZILATE	1 UG/L		U	.1 UG/L		R									
DELTA-BHC	.5 UG/L		U												
DIELDRIN	1 UG/L		U												
ENDOSULFAN II	1 UG/L		U												
ENDOSULFAN SULFATE	1 UG/L		U												
ENDOSULFAN-I	.5 UG/L		U												
ENDRIN	1 UG/L		U												
ENDRIN KETONE	1 UG/L		U												
GAMMA-BHC (LINDANE)	.5 UG/L		U												
GAMMA-CHLORDANE	5 UG/L		U												
HEPTACHLOR	.5 UG/L		U	.45 NG/L		U									
HEPTACHLOR EPOXIDE	.5 UG/L		U												
METHOXYCHLOR	5 UG/L		U												
SULFOTEP							10 UG/L		R						
TOXAPHENE	10 UG/L		U												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		R						
1,2-DICHLOROBENZENE							10 UG/L		R						
1,3-DICHLOROBENZENE							10 UG/L		R						
1,4-DICHLOROBENZENE							10 UG/L		R						
2,4,5-TRICHLOROPHENOL							50 UG/L		R						
2,4,6-TRICHLOROPHENOL							10 UG/L		R						
2,4-DICHLOROPHENOL							10 UG/L		R						
2,4-DIMETHYLPHENOL							10 UG/L		R						
2,4-DINITROPHENOL							50 UG/L		R						
2,4-DINITROTOLUENE							10 UG/L		R						
2,6-DINITROTOLUENE							10 UG/L		R						
2-CHLORONAPHTHALENE							10 UG/L		R						
2-CHLOROPHENOL							10 UG/L		R						
2-METHYLNAPHTHALENE							10 UG/L		R						
2-METHYLPHENOL							10 UG/L		R						
2-NITROANILINE							50 UG/L		R						
2-NITROPHENOL							10 UG/L		R						
3,3'-DICHLOROBENZIDINE							20 UG/L		UJ						

SAMPLE NUMBER:	063930			063930			063930			063930			063949		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
3-NITROANILINE							50 UG/L		R						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		R						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		R						
4-CHLORO-3-METHYLPHENOL							10 UG/L		R						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		R						
4-METHYLPHENOL							10 UG/L		R						
4-NITROANILINE							50 UG/L		R						
4-NITROPHENOL							50 UG/L		R						
ACENAPHTHENE							10 UG/L		R						
ACENAPHTHYLENE							10 UG/L		R						
ANTHRACENE							10 UG/L		UJ						
BENZO(A)ANTHRACENE							10 UG/L		UJ						
BENZO(A)PYRENE							10 UG/L		UJ						
BENZO(B)FLUORANTHENE							10 UG/L		UJ						
BENZO(G,H,I)PERYLENE							10 UG/L		UJ						
BENZO(K)FLUORANTHENE							10 UG/L		UJ						
BENZOIC ACID							50 UG/L		R						
BENZYL ALCOHOL							10 UG/L		R						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		R						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		R						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		R						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		UJ						
BUTYL BENZYL PHTHALATE							10 UG/L		UJ						
CHRYSENE							10 UG/L		UJ						
DI-N-BUTYL PHTHALATE							10 UG/L		UJ						
DI-N-OCTYL PHTHALATE							10 UG/L		UJ						
DIBENZO(A,H)ANTHRACENE							10 UG/L		UJ						
DIBENZOFURAN							10 UG/L		R						
DIETHYL PHTHALATE							10 UG/L		R						
DIMETHYL PHTHALATE							10 UG/L		R						
FLUORANTHENE							10 UG/L		UJ						
FLUORENE							10 UG/L		R						
HEXACHLOROBENZENE							10 UG/L		R						
HEXACHLOROBUTADIENE							10 UG/L		R						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		R						
HEXACHLOROETHANE							10 UG/L		R						
INDENO(1,2,3-CD)PYRENE							10 UG/L		UJ						
ISOPHORONE							10 UG/L		R						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		R						
N-NITROSODIMETHYLAMINE							10 UG/L		R						
N-NITROSODIPHENYLAMINE							10 UG/L		R						
NAPHTHALENE							10 UG/L		R						
NITROBENZENE							10 UG/L		R						
O,O,O-TRIETHYLPHOSPHOROTHIO ATE							10 UG/L		R						
PENTACHLOROPHENOL							56 UG/L		R						

SAMPLE NUMBER:	063930			063930			063930			063930			063949		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PHENANTHRENE							10 UG/L		UJ						
PHENOL							10 UG/L		R						
PYRENE							10 UG/L		UJ						
PYRIDINE							10 UG/L		R						
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,1-TRICHLOROETHANE				5 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,2-TRICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHENE				5 UG/L		U									
1,2-DICHLOROETHANE				5 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U									
1,2-DICHLOROPROPANE				5 UG/L		U									
2-BUTANONE				44 UG/L		-									
2-HEXANONE				40 UG/L		-									
4-METHYL-2-PENTANONE				25 UG/L		-									
ACETONE	240 UG/L		-												
BENZENE				5 UG/L		UJ									
BROMODICHLOROMETHANE				5 UG/L		U									
BROMOFORM				5 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				5 UG/L		U									
CARBON TETRACHLORIDE				5 UG/L		U									
CHLOROBENZENE				5 UG/L		UJ									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				71 UG/L		-									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				5 UG/L		U									
DIBROMOCHLOROMETHANE				5 UG/L		U									
ETHYLBENZENE				5 UG/L		UJ									
ISOBUTYL ALCOHOL				48 UG/L		J									
METHYLENE CHLORIDE				2 UG/L		U									
STYRENE				5 UG/L		UJ									
TETRACHLOROETHENE				2 UG/L		J									
TOLUENE				5 UG/L		UJ									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U									
TRICHLOROETHENE				5 UG/L		U									
TRICHLOROFLUOROMETHANE				10 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				5 UG/L		UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063949	123013	123013	123013	123015
TASK:	10.03.01	10.03.08	10.03.08	10.03.08	10.03.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1770	1770	1770	1770	1770
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-NOV-91	22-JUN-93	22-JUN-93	22-JUN-93	22-JUN-93
NORTH COORDINATE:	481680.61	481680.61	481680.61	481680.61	481680.61
EAST COORDINATE:	1378159.99	1378159.99	1378159.99	1378159.99	1378159.99
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	DLRE-FIL	NONE-FIL	RE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM							16.8 MG/L		J						
ANTIMONY							.0163 MG/L		J						
ARSENIC							.515 MG/L		-						
BARIUM							1.28 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.005 MG/L		U						
CALCIUM							1810 MG/L		-						
CHROMIUM							.147 MG/L		-						
COBALT							.0614 MG/L		-						
COPPER							1.5 MG/L		-						
CYANIDE							.002 MG/L		U						
IRON							25.4 MG/L		-						
LEAD							1.45 MG/L		-						
MAGNESIUM							3850 MG/L		-						
MANGANESE							149 MG/L		-						
MERCURY							.0008 MG/L		J						
MOLYBDENUM							1.65 MG/L		-						
NICKEL							.243 MG/L		-						
POTASSIUM							428 MG/L		-						
SELENIUM							.0027 MG/L		-						
SILICON							17.2 MG/L		-						
SILVER							.0178 MG/L		-						
SODIUM							3110 MG/L		-						
THALLIUM							.156 MG/L		J						
VANADIUM							2.43 MG/L		-						
ZINC							.378 MG/L		-						
RADIONUCLIDES															
URANIUM-238	504 PCI/L	60	-										1350 PCI/L	260	J
URANIUM, TOTAL	1060 UG/L	140	-										1970 UG/L	290	-
URANIUM-234	396 PCI/L	48	-										1200 PCI/L	230	J

SAMPLE NUMBER:	063949			123013			123013			123013			123015		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DLRE-FIL			NONE-FIL			RE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230													12200 PCI/L	3333	J
RADIUM-226													241 PCI/L	31.2	J
URANIUM-235/236	25.8 PCI/L	6.4	-										59.4 PCI/L	15	J
THORIUM-232													592 PCI/L	172	J
THORIUM, TOTAL													5390 UG/L	1570	J
RADIUM-228													820 PCI/L	93.1	J
THORIUM-228													634 PCI/L	183	J
NEPTUNIUM-237													6.12 PCI/L	2.05	J
PLUTONIUM-239/240													2.67 PCI/L	1.22	J
PLUTONIUM-238													20 PCI/L	5.1	-
STRONTIUM-90													152 PCI/L	18	J
TECHNETIUM-99	212 PCI/L	35	J										219 PCI/L	32	-
RUTHENIUM-106	150 PCI/L		R										170 PCI/L		UJ
CESIUM-137	20 PCI/L		R										20 PCI/L		UJ
GROSS ALPHA	5109 PCI/L	103	NV												
GROSS BETA	2596 PCI/L	420	NV												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U						
1,2-DICHLOROBENZENE							10 UG/L		U						
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							25 UG/L		UR						
2,4,6-TRICHLOROPHENOL							10 UG/L		UR						
2,4-DICHLOROPHENOL							10 UG/L		UR						
2,4-DIMETHYLPHENOL							10 UG/L		UR						
2,4-DINITROPHENOL							25 UG/L		UR						
2,4-DINITROTOLUENE							10 UG/L		U						
2,6-DINITROTOLUENE							10 UG/L		U						
2-BENZYL-4-CHLOROPHENOL				50 UG/L		UNV	10 UG/L		UNV	10 UG/L		UNV			
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		UR						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		UR						
2-NITROANILINE							25 UG/L		UJ						
2-NITROPHENOL							5 UG/L		J						
3,3'-DICHLOROBENZIDINE							10 UG/L		U						
3-NITROANILINE							25 UG/L		U						
4,6-DINITRO-2-METHYLPHENOL							25 UG/L		UR						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		UR						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		UR						
4-NITROANILINE							25 UG/L		U						
4-NITROPHENOL							25 UG/L		UR						
ACENAPHTHENE							10 UG/L		U						

SAMPLE NUMBER:	063949			123013			123013			123013			123015		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DLRE-FIL			NONE-FIL			RE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		UJ						
BENZO(B)FLUORANTHENE							10 UG/L		UJ						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZOIC ACID							15 UG/L		J						
BENZYL ALCOHOL							1 UG/L		J						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U						
BUTYL BENZYL PHTHALATE							10 UG/L		UJ						
CARBAZOLE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						
DI-N-OCTYL PHTHALATE							10 UG/L		UJ						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U						
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							2 UG/L		J						
NITROBENZENE							10 UG/L		U						
P-CHLOROANILINE							10 UG/L		U						
PENTACHLOROPHENOL				200 UG/L		J									
PHENANTHRENE							10 UG/L		U						
PHENOL							10 UG/L		UR						
PYRENE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						

SAMPLE NUMBER:	063949			123013			123013			123013			123015		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DLRE-FIL			NONE-FIL			RE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							1 UG/L		J						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							23 UG/L		-						
2-HEXANONE							7 UG/L		J						
4-METHYL-2-PENTANONE							29 UG/L		-						
ACETONE							83 UG/L		-						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							67 UG/L		-						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		UJ						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							1 UG/L		J						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063926	063926	063926	063926	063950
TASK:	10.03.01	10.03.01	10.03.01	10.03.01	10.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1771	1771	1771	1771	1771
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-NOV-91	06-NOV-91	06-NOV-91	06-NOV-91	15-NOV-91
NORTH COORDINATE:	481638.22	481638.22	481638.22	481638.22	481638.22
EAST COORDINATE:	1378298.05	1378298.05	1378298.05	1378298.05	1378298.05
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-FIL	NONE-FIL	R-FIL	NONE-UNF	F-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
BROMIDE				200 MG/L		U									
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN				1.9 NG/L		J									
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN				.99 NG/L		U									
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN				1.4 NG/L		U									
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN				.66 NG/L		U									
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN				.89 NG/L		U									
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN				.52 NG/L		U									
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN				.79 NG/L		U									
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN				.55 NG/L		U									
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN				1 NG/L		U									
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN				1.6 NG/L		U									
1,2,3,7,8-PENTACHLORODIBENZOFURAN				.47 NG/L		U									
1,4-DIOXANE				660 UG/L		J									
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN				.93 NG/L		U									
2,3,4,7,8-PENTACHLORODIBENZOFURAN				.51 NG/L		U									
2,3,7,8-TETRACHLORODIBENZO-				.36 NG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063926			063926			063926			063926			063950		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
2,3,7,8-TETRACHLORODIBENZOFURAN				.34 NG/L		U									
HEPTACHLORODIBENZO-P-DIOXINS				3.5 NG/L		-									
HEPTACHLORODIBENZOFURANS				1.5 NG/L		-									
HEXACHLORODIBENZO-P-DIOXINS				.57 NG/L		U									
HEXACHLORODIBENZOFURANS				.9 NG/L		U									
OCTACHLORODIBENZO-P-DIOXIN				25.5 NG/L		J									
OCTACHLORODIBENZOFURAN				1.2 NG/L		J									
PENTACHLORODIBENZO-P-DIOXINS				1.6 NG/L		U									
PENTACHLORODIBENZOFURANS				.48 NG/L		U									
TETRACHLORODIBENZO-P-DIOXINS				.3 NG/L		U									
TETRACHLORODIBENZOFURANS				.33 NG/L		U									
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				240 MG/L		-									
AMMONIA				2625 MG/L		-									
CHLORIDE				33000 MG/L		-									
FLUORIDE				80 MG/L		U									
NITRATE				4217 MG/L		-									
PH				7.69 SU		-	10 UG/L		R						
PHOSPHATE				200 MG/L		U									
SULFATE				4600 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				25.1 MG/L		-									
HERBICIDES															
2,4,5-T	4.1 UG/L		U				50 UG/L		R						
2,4,5-TP (SILVEX)	3.6 UG/L		U												
2,4-D	20 UG/L		U				10 UG/L		R						
INORGANICS															
ALUMINUM										6.41 MG/L		J	1.48 MG/L		J
ANTIMONY										.445 MG/L		-	.627 MG/L		-
ARSENIC										1.49 MG/L		J	.248 MG/L		-
BARIUM										.526 MG/L		J	.174 MG/L		J
BERYLLIUM										.0081 MG/L		-	.0054 MG/L		-
BORON										3.84 MG/L		J	7.36 MG/L		J
CADMIUM										.192 MG/L		J	.383 MG/L		J
CALCIUM										1010 MG/L		-	1920 MG/L		-
CHROMIUM										.182 MG/L		-	.0194 MG/L		J

SAMPLE NUMBER:	063926			063926			063926			063926			063950		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT										.0902 MG/L		J	.119 MG/L		J
COPPER										.782 MG/L		J	.622 MG/L		J
CYANIDE				.002 MG/L		UJ									
IRON										12.2 MG/L		J	1.14 MG/L		J
LEAD										1.61 MG/L		-	.0608 MG/L		-
MAGNESIUM										1570 MG/L		-	3150 MG/L		-
MANGANESE										92.6 MG/L		-	178 MG/L		-
MERCURY				.0988 MG/L		-							.0268 MG/L		-
MOLYBDENUM										2.8 MG/L		J	5.21 MG/L		J
NICKEL										.0473 MG/L		J	.02 MG/L		UJ
POTASSIUM										713 MG/L		-	698 MG/L		-
SELENIUM										.14 MG/L		-	.125 MG/L		-
SILICON										9.22 MG/L		-	3.23 MG/L		J
SILVER										.13 MG/L		J	.153 MG/L		J
SODIUM										1880 MG/L		-	3850 MG/L		-
THALLIUM										.107 MG/L		J	.115 MG/L		J
TIN										.2 MG/L		U	.2 MG/L		U
VANADIUM										1.24 MG/L		J	.618 MG/L		J
ZINC										.158 MG/L		-	.0567 MG/L		-
No sort code listed.															
1,2,3-TRICHLOROPROPANE				10 UG/L		U									
1,2,4,5-TETRACHLOROBENZENE							10 UG/L		R						
1,2-DIBROMO-3-CHLOROPROPANE				10 UG/L		U									
1,2-DIBROMOETHANE				10 UG/L		U									
1,3,5-TRINITROBENZENE							10 UG/L		R						
1,3-DINITROBENZENE							10 UG/L		R						
1,4-NAPHTHOQUINONE							10 UG/L		R						
1-NAPHTHYLAMINE							120 UG/L		R						
2,3,4,6-TETRACHLOROPHENOL							10 UG/L		R						
2,6-DICHLOROPHENOL							10 UG/L		R						
2-ACETYLAMINOFLUORENE							10 UG/L		R						
2-CHLORO-1,3-BUTADIENE				10 UG/L		UJ									
2-NAPHTHYLAMINE							170 UG/L		R						
2-PICOLINE							70 UG/L		R						
3,3'-DIMETHYLBENZIDINE							80 UG/L		R						
3-CHLOROPROPENE				10 UG/L		UJ									
3-METHYLCHOLANTHRENE							30 UG/L		R						
3-METHYLPHENOL							20 UG/L		R						
4-AMINOBIPHENYL							50 UG/L		R						
4-CHLOROANILINE							10 UG/L		R						
4-NITROQUINOLINE-1-OXIDE							10 UG/L		R						
5-NITRO-O-TOLUIDINE							20 UG/L		R						
7,12-DIMETHYLBENZ(A)ANTHRACENE							20 UG/L		R						
A,A-DIMETHYLPHENETHYLAMINE							10 UG/L		R						

SAMPLE NUMBER:	063926			063926			063926			063926			063950		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
ACETONITRILE				42 UG/L		J									
ACETOPHENONE							10 UG/L		R						
ACROLEIN				20 UG/L		UJ									
ACROLEIN				20 UG/L		UJ									
ACRYLONITRILE				7 UG/L		J									
ANILINE							50 UG/L		R						
ARAMITE							10 UG/L		R						
DIALLATE							10 UG/L		R						
DIBROMOMETHANE				10 UG/L		U									
DICHLORODIFLUOROMETHANE				200 UG/L		R									
DINOSEB	1.4 UG/L		U	.71 UG/L		R	20 UG/L		R						
DIPHENYLAMINE							10 UG/L		R						
ETHYL CYANIDE				3 UG/L		J									
ETHYL METHACRYLATE				10 UG/L		U									
ETHYL METHANESULFONATE							10 UG/L		R						
HEXACHLOROPHENE							50 UG/L		R						
HEXACHLOROPROPENE							20 UG/L		R						
IODOMETHANE				10 UG/L		U									
ISODRIN	.5 UG/L		U												
ISOSAFROLE							10 UG/L		R						
KEPONE	1 UG/L		U												
METHACRYLONITRILE				1 UG/L		J									
METHAPYRILENE							40 UG/L		R						
METHYL METHACRYLATE				10 UG/L		U									
METHYL METHANESULFONATE							10 UG/L		R						
N-NITROSODI-N-BUTYLAMINE							20 UG/L		R						
N-NITROSODIETHYLAMINE							10 UG/L		R						
N-NITROSOMETHYLETHYLAMINE							10 UG/L		R						
N-NITROSOMORPHOLINE							3 UG/L		R						
N-NITROSOPIPERIDINE							10 UG/L		R						
N-NITROSOPYRROLIDINE							10 UG/L		R						
O-TOLUIDINE							10 UG/L		R						
P-DIMETHYLAMINOAZOBENZENE							30 UG/L		R						
P-PHENYLENEDIAMINE							50 UG/L		R						
PENTACHLOROBENZENE							20 UG/L		R						
PENTACHLOROETHANE							10 UG/L		R						
PENTACHLORONITROBENZENE							20 UG/L		R						
PHENACETIN							10 UG/L		R						
PRONAMIDE							30 UG/L		R						
SAFROLE							10 UG/L		R						
TRANS-1,4-DICHLORO-2-BUTENE				10 UG/L		UJ									
PESTICIDES															
4,4'-DDD	1 UG/L		U												
4,4'-DDE	1 UG/L		U												
4,4'-DDT	1 UG/L		U												

SAMPLE NUMBER:	063926			063926			063926			063926			063950		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALDRIN	.5 UG/L		U												
ALPHA-BHC	.5 UG/L		U												
ALPHA-CHLORDANE	5 UG/L		U												
AROCLOR-1016	5 UG/L		U												
AROCLOR-1221	5 UG/L		U												
AROCLOR-1232	5 UG/L		U												
AROCLOR-1242	5 UG/L		U												
AROCLOR-1248	5 UG/L		U												
AROCLOR-1254	10 UG/L		U												
AROCLOR-1260	10 UG/L		U												
BETA-BHC	.5 UG/L		U												
CHLOROBENZILATE	1 UG/L		U	.1 UG/L		R									
DELTA-BHC	.5 UG/L		U												
DIELDRIN	1 UG/L		U												
ENDOSULFAN II	1 UG/L		U												
ENDOSULFAN SULFATE	1 UG/L		U												
ENDOSULFAN-I	.5 UG/L		U												
ENDRIN	1 UG/L		U												
ENDRIN KETONE	1 UG/L		U												
GAMMA-BHC (LINDANE)	.5 UG/L		U												
GAMMA-CHLORDANE	5 UG/L		U												
HEPTACHLOR	.5 UG/L		U	3.5 NG/L		-									
HEPTACHLOR EPOXIDE	.5 UG/L		U												
METHOXYCHLOR	5 UG/L		U												
SULFOTEP							10 UG/L		UJ						
TOXAPHENE	10 UG/L		U												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		R						
1,2-DICHLOROBENZENE							10 UG/L		R						
1,3-DICHLOROBENZENE							10 UG/L		R						
1,4-DICHLOROBENZENE							10 UG/L		R						
2,4,5-TRICHLOROPHENOL							50 UG/L		R						
2,4,6-TRICHLOROPHENOL							10 UG/L		R						
2,4-DICHLOROPHENOL							10 UG/L		R						
2,4-DIMETHYLPHENOL							10 UG/L		R						
2,4-DINITROPHENOL							50 UG/L		R						
2,4-DINITROTOLUENE							10 UG/L		R						
2,6-DINITROTOLUENE							10 UG/L		R						
2-CHLORONAPHTHALENE							10 UG/L		R						
2-CHLOROPHENOL							10 UG/L		R						
2-METHYLNAPHTHALENE							10 UG/L		R						
2-METHYLPHENOL							10 UG/L		R						
2-NITROANILINE							50 UG/L		R						
2-NITROPHENOL							10 UG/L		R						
3,3'-DICHLOROBENZIDINE							20 UG/L		UJ						

SAMPLE NUMBER:	063926			063926			063926			063926			063950		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
3-NITROANILINE							50 UG/L		R						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		R						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		R						
4-CHLORO-3-METHYLPHENOL							10 UG/L		R						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		R						
4-METHYLPHENOL							10 UG/L		R						
4-NITROANILINE							50 UG/L		R						
4-NITROPHENOL							50 UG/L		R						
ACENAPHTHENE							10 UG/L		R						
ACENAPHTHYLENE							10 UG/L		R						
ANTHRACENE							10 UG/L		UJ						
BENZO(A)ANTHRACENE							10 UG/L		UJ						
BENZO(A)PYRENE							10 UG/L		UJ						
BENZO(B)FLUORANTHENE							10 UG/L		UJ						
BENZO(G,H,I)PERYLENE							10 UG/L		UJ						
BENZO(K)FLUORANTHENE							10 UG/L		UJ						
BENZOIC ACID							50 UG/L		R						
BENZYL ALCOHOL							10 UG/L		R						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		R						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		R						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		R						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		UJ						
BUTYL BENZYL PHTHALATE							10 UG/L		UJ						
CHRYSENE							10 UG/L		UJ						
DI-N-BUTYL PHTHALATE							10 UG/L		UJ						
DI-N-OCTYL PHTHALATE							10 UG/L		UJ						
DIBENZO(A,H)ANTHRACENE							10 UG/L		UJ						
DIBENZOFURAN							10 UG/L		R						
DIETHYL PHTHALATE							10 UG/L		R						
DIMETHYL PHTHALATE							10 UG/L		R						
FLUORANTHENE							10 UG/L		UJ						
FLUORENE							10 UG/L		R						
HEXACHLOROBENZENE							10 UG/L		R						
HEXACHLOROBUTADIENE							10 UG/L		R						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		R						
HEXACHLOROETHANE							10 UG/L		R						
INDENO(1,2,3-CD)PYRENE							10 UG/L		UJ						
ISOPHORONE							10 UG/L		R						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		R						
N-NITROSODIMETHYLAMINE							10 UG/L		R						
N-NITROSODIPHENYLAMINE							10 UG/L		R						
NAPHTHALENE							10 UG/L		R						
NITROBENZENE							10 UG/L		R						
O,O,O-TRIETHYLPHOSPHOROTHIO ATE							10 UG/L		R						
PENTACHLOROPHENOL							13 UG/L		R						

00357

SAMPLE NUMBER:	063926			063926			063926			063926			063950		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PHENANTHRENE							10 UG/L		UJ						
PHENOL							10 UG/L		R						
PYRENE							10 UG/L		UJ						
PYRIDINE							10 UG/L		R						
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,1-TRICHLOROETHANE				5 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,2-TRICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHENE				5 UG/L		U									
1,2-DICHLOROETHANE				5 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U									
1,2-DICHLOROPROPANE				5 UG/L		U									
2-BUTANONE				6 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				24 UG/L		-									
ACETONE				30 UG/L		-									
BENZENE				5 UG/L		UJ									
BROMODICHLOROMETHANE				5 UG/L		U									
BROMOFORM				5 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				5 UG/L		U									
CARBON TETRACHLORIDE				5 UG/L		U									
CHLOROBENZENE				5 UG/L		UJ									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				67 UG/L		-									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				5 UG/L		U									
DIBROMOCHLOROMETHANE				5 UG/L		U									
ETHYLBENZENE				5 UG/L		UJ									
ISOBUTYL ALCOHOL				38 UG/L		J									
METHYLENE CHLORIDE				2 UG/L		U									
STYRENE				5 UG/L		UJ									
TETRACHLOROETHENE				1 UG/L		J									
TOLUENE				5 UG/L		UJ									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U									
TRICHLOROETHENE				5 UG/L		U									
TRICHLOROFLUOROMETHANE				10 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				5 UG/L		UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063950	123016	123016	123016	123018
TASK:	10.03.01	10.03.08	10.03.08	10.03.08	10.03.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1771	1771	1771	1771	1771
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-NOV-91	22-JUN-93	22-JUN-93	22-JUN-93	22-JUN-93
NORTH COORDINATE:	481638.22	481638.22	481638.22	481638.22	481638.22
EAST COORDINATE:	1378298.05	1378298.05	1378298.05	1378298.05	1378298.05
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	DLRE-FIL	NONE-FIL	RE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM							1.54 MG/L		J						
ANTIMONY							.005 MG/L		UJ						
ARSENIC							.228 MG/L		-						
BARIUM							.0672 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.005 MG/L		U						
CALCIUM							835 MG/L		-						
CHROMIUM							.0197 MG/L		-						
COBALT							.01 MG/L		U						
COPPER							.0485 MG/L		-						
CYANIDE							.218 MG/L		-						
IRON							1.24 MG/L		-						
LEAD							.0732 MG/L		-						
MAGNESIUM							186 MG/L		-						
MANGANESE							12.2 MG/L		-						
MERCURY							.00039 MG/L		J						
MOLYBDENUM							17.9 MG/L		-						
NICKEL							.0396 MG/L		-						
POTASSIUM							101 MG/L		-						
SELENIUM							.178 MG/L		-						
SILICON							3.54 MG/L		-						
SILVER							.01 MG/L		U						
SODIUM							454 MG/L		-						
THALLIUM							.0051 MG/L		J						
VANADIUM							2.58 MG/L		-						
ZINC							.0395 MG/L		U						
RADIONUCLIDES															
URANIUM-238	421 PCI/L	53	-										37.6 PCI/L	8.64	J
URANIUM, TOTAL	824 UG/L	117	-										948 UG/L	132	-
URANIUM-234	410 PCI/L	51	-										30.3 PCI/L	7.09	J

000359

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SAMPLE NUMBER:	063950			123016			123016			123016			123018		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DLRE-FIL			NONE-FIL			RE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230													904 PCI/L	272	J
RADIUM-226													62.9 PCI/L	10.5	J
URANIUM-235/236	25.9 PCI/L	4.9	-										1.02 PCI/L	.68	-
THORIUM-232													68.5 PCI/L	26.2	J
THORIUM, TOTAL													625 UG/L	239	J
RADIUM-228													126 PCI/L	39	J
THORIUM-228													48.9 PCI/L	20.2	J
NEPTUNIUM-237													3.91 PCI/L	1.25	J
PLUTONIUM-239/240	1 PCI/L		U										1.12 PCI/L	.54	U
PLUTONIUM-238	1 PCI/L		U										1.1 PCI/L	.41	UJ
STRONTIUM-90													20.7 PCI/L	2.4	-
TECHNETIUM-99	351 PCI/L	44	-										3290 PCI/L	340	-
RUTHENIUM-106	150 PCI/L		U										150 PCI/L		UJ
CESIUM-137	20 PCI/L		U										14 PCI/L		UJ
GROSS ALPHA	1710 PCI/L	543	NV												
GROSS BETA	2328 PCI/L	382	NV												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U						
1,2-DICHLOROBENZENE							10 UG/L		U						
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							25 UG/L		UR						
2,4,6-TRICHLOROPHENOL							10 UG/L		UR						
2,4-DICHLOROPHENOL							10 UG/L		UR						
2,4-DIMETHYLPHENOL							10 UG/L		UR						
2,4-DINITROPHENOL							25 UG/L		UR						
2,4-DINITROTOLUENE							10 UG/L		U						
2,6-DINITROTOLUENE							11 UG/L		-						
2-BENZYL-4-CHLOROPHENOL				50 UG/L		UNV	10 UG/L		UNV	10 UG/L		UNV			
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		UR						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		UR						
2-NITROANILINE							25 UG/L		UJ						
2-NITROPHENOL							10 UG/L		UR						
3,3'-DICHLOROBENZIDINE							10 UG/L		U						
3-NITROANILINE							25 UG/L		U						
4,6-DINITRO-2-METHYLPHENOL							25 UG/L		UR						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		UR						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		UR						
4-NITROANILINE							25 UG/L		U						
4-NITROPHENOL							6 UG/L		J						
ACENAPHTHENE							10 UG/L		U						

SAMPLE NUMBER:	063950			123016			123016			123016			123018		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DLRE-FIL			NONE-FIL			RE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		UJ						
BENZO(B)FLUORANTHENE							10 UG/L		UJ						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZOIC ACID							1 UG/L		J						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U						
BIS(2-ETHYLHEXYL)PHTHALATE							1 UG/L		J						
BUTYL BENZYL PHTHALATE							10 UG/L		UJ						
CARBAZOLE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						
DI-N-OCTYL PHTHALATE							10 UG/L		UJ						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U						
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							1 UG/L		J						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							2 UG/L		J						
NITROBENZENE							10 UG/L		U						
P-CHLOROANILINE							10 UG/L		U						
PENTACHLOROPHENOL							3 UG/L		J						
PHENANTHRENE							10 UG/L		U						
PHENOL							10 UG/L		UR						
PYRENE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						

SAMPLE NUMBER:	063950			123016			123016			123016			123018		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DLRE-FIL			NONE-FIL			RE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							11 UG/L		-						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		UJ						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063928	063928	063928	063928	063951
TASK:	10.03.01	10.03.01	10.03.01	10.03.01	10.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1772	1772	1772	1772	1772
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-NOV-91	06-NOV-91	06-NOV-91	06-NOV-91	15-NOV-91
NORTH COORDINATE:	481771.63	481771.63	481771.63	481771.63	481771.63
EAST COORDINATE:	1378500.36	1378500.36	1378500.36	1378500.36	1378500.36
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-FIL	NONE-FIL	R-FIL	NONE-UNF	F-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
BROMIDE				200 MG/L		U									
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN				2.2 NG/L		U									
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN				2 NG/L		U									
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN				2.9 NG/L		U									
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN				1.4 NG/L		U									
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN				1.6 NG/L		U									
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN				1.1 NG/L		U									
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN				1.4 NG/L		U									
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN				1.2 NG/L		U									
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN				1.9 NG/L		U									
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN				5.4 NG/L		U									
1,2,3,7,8-PENTACHLORODIBENZOFURAN				.89 NG/L		U									
1,4-DIOXANE				300 UG/L		J									
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN				1.7 NG/L		U									
2,3,4,7,8-PENTACHLORODIBENZOFURAN				.97 NG/L		U									
2,3,7,8-TETRACHLORODIBENZO-				2.3 NG/L		U									

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000363

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063928			063928			063928			063928			063951		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
2,3,7,8-TETRACHLORODIBENZOFURAN				1.1 NG/L		U									
HEPTACHLORODIBENZO-P-DIOXINS				1.2 NG/L		-									
HEPTACHLORODIBENZOFURANS				2.4 NG/L		U									
HEXACHLORODIBENZO-P-DIOXINS				1.2 NG/L		U									
HEXACHLORODIBENZOFURANS				1.7 NG/L		U									
OCTACHLORODIBENZO-P-DIOXIN				18.5 NG/L		J									
OCTACHLORODIBENZOFURAN				1.6 NG/L		J									
PENTACHLORODIBENZO-P-DIOXINS				5.4 NG/L		U									
PENTACHLORODIBENZOFURANS				.93 NG/L		U									
TETRACHLORODIBENZO-P-DIOXINS				.43 NG/L		U									
TETRACHLORODIBENZOFURANS				.57 NG/L		U									
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				180 MG/L		-									
AMMONIA				1987 MG/L		-									
CHLORIDE				21000 MG/L		-									
FLUORIDE				80 MG/L		U									
NITRATE				6574 MG/L		-									
PH				7.76 SU		-	10 UG/L		R						
PHOSPHATE				200 MG/L		U									
SULFATE				4800 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				9.86 MG/L		-									
HERBICIDES															
2,4,5-T	4.2 UG/L		U				50 UG/L		R						
2,4,5-TP (SILVEX)	3.8 UG/L		U												
2,4-D	21 UG/L		U				10 UG/L		R						
INORGANICS															
ALUMINUM										2.03 MG/L		J	3.06 MG/L		J
ANTIMONY										.648 MG/L		-	.714 MG/L		-
ARSENIC										.145 MG/L		-	.166 MG/L		-
BARIUM										.411 MG/L		J	.308 MG/L		J
BERYLLIUM										.0066 MG/L		-	.0062 MG/L		-
BORON										5.15 MG/L		J	5.2 MG/L		J
CADMIUM										.298 MG/L		J	.475 MG/L		J
CALCIUM										2220 MG/L		-	2780 MG/L		-
CHROMIUM										.01 MG/L		U	.01 MG/L		UJ

SAMPLE NUMBER:	063928			063928			063928			063928			063951		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT										.137 MG/L		J	.16 MG/L		J
COPPER										.0983 MG/L		J	.148 MG/L		J
CYANIDE				1.27 MG/L		J									
IRON										1.03 MG/L		J	1.92 MG/L		J
LEAD										.002 MG/L		UJ	.0506 MG/L		-
MAGNESIUM										4020 MG/L		-	4950 MG/L		-
MANGANESE										101 MG/L		-	120 MG/L		-
MERCURY				.0003 MG/L		J							.0002 MG/L		UJ
MOLYBDENUM										.995 MG/L		J	1.09 MG/L		J
NICKEL										.02 MG/L		UJ	.02 MG/L		UJ
POTASSIUM										788 MG/L		-	830 MG/L		-
SELENIUM										.01 MG/L		UJ	.0131 MG/L		J
SILICON										6.23 MG/L		J	6.05 MG/L		J
SILVER										.165 MG/L		J	.162 MG/L		J
SODIUM										4230 MG/L		-	4620 MG/L		-
THALLIUM										.0766 MG/L		J	.124 MG/L		J
TIN										.2 MG/L		U	.2 MG/L		U
VANADIUM										.238 MG/L		J	.258 MG/L		J
ZINC										.0554 MG/L		-	.066 MG/L		-
No sort code listed.															
1,2,3-TRICHLOROPROPANE				10 UG/L		U									
1,2,4,5-TETRACHLOROBENZENE							10 UG/L		R						
1,2-DIBROMO-3-CHLOROPROPANE				10 UG/L		UJ									
1,2-DIBROMOETHANE				10 UG/L		U									
1,3,5-TRINITROBENZENE							10 UG/L		R						
1,3-DINITROBENZENE							10 UG/L		R						
1,4-NAPHTHOQUINONE							10 UG/L		R						
1-NAPHTHYLAMINE							120 UG/L		R						
2,3,4,6-TETRACHLOROPHENOL							10 UG/L		R						
2,6-DICHLOROPHENOL							10 UG/L		R						
2-ACETYLAMINOFLUORENE							10 UG/L		R						
2-CHLORO-1,3-BUTADIENE				10 UG/L		UJ									
2-NAPHTHYLAMINE							170 UG/L		R						
2-PICOLINE							70 UG/L		R						
3,3'-DIMETHYLBENZIDINE							80 UG/L		R						
3-CHLOROPROPENE				10 UG/L		UJ									
3-METHYLCHOLANTHRENE							30 UG/L		R						
3-METHYLPHENOL							10 UG/L		R						
4-AMINOBIPHENYL							50 UG/L		R						
4-CHLOROANILINE							10 UG/L		R						
4-NITROQUINOLINE-1-OXIDE							10 UG/L		R						
5-NITRO-O-TOLUIDINE							20 UG/L		R						
7,12-DIMETHYLBENZ(A)ANTHRAC ENE							20 UG/L		R						
A,A-DIMETHYLPHENETHYLAMINE							10 UG/L		R						

SAMPLE NUMBER:	063928			063928			063928			063928			063951		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
ACETONITRILE				20 UG/L		UJ									
ACETOPHENONE							10 UG/L		R						
ACROLEIN				20 UG/L		UJ									
ACROLEIN				20 UG/L		UJ									
ACRYLONITRILE				8 UG/L		J									
ANILINE							50 UG/L		R						
ARAMITE							10 UG/L		R						
DIALLATE							10 UG/L		R						
DIBROMOMETHANE				10 UG/L		U									
DICHLORODIFLUOROMETHANE				200 UG/L		R									
DINOSEB	1.4 UG/L		U	.73 UG/L		R	20 UG/L		R						
DIPHENYLAMINE							10 UG/L		R						
ETHYL CYANIDE				4 UG/L		J									
ETHYL METHACRYLATE				10 UG/L		U									
ETHYL METHANESULFONATE							10 UG/L		R						
HEXACHLOROPHENE							50 UG/L		R						
HEXACHLOROPROPENE							20 UG/L		R						
IODOMETHANE				10 UG/L		U									
ISODRIN	.5 UG/L		U												
ISOSAFROLE							10 UG/L		R						
KEPONE	1 UG/L		U												
METHACRYLONITRILE				10 UG/L		U									
METHAPYRILENE							40 UG/L		R						
METHYL METHACRYLATE				10 UG/L		U									
METHYL METHANESULFONATE							10 UG/L		R						
N-NITROSODI-N-BUTYLAMINE							20 UG/L		R						
N-NITROSODIETHYLAMINE							10 UG/L		R						
N-NITROSOMETHYLETHYLAMINE							10 UG/L		R						
N-NITROSOMORPHOLINE							10 UG/L		R						
N-NITROSOPIPERIDINE							10 UG/L		R						
N-NITROSOPYRROLIDINE							10 UG/L		R						
O-TOLUIDINE							10 UG/L		R						
P-DIMETHYLAMINOAZOBENZENE							30 UG/L		R						
P-PHENYLENEDIAMINE							50 UG/L		R						
PENTACHLOROBENZENE							20 UG/L		R						
PENTACHLOROETHANE							20 UG/L		R						
PENTACHLORONITROBENZENE							20 UG/L		R						
PHENACETIN							10 UG/L		R						
PRONAMIDE							30 UG/L		R						
SAFROLE							10 UG/L		R						
TRANS-1,4-DICHLORO-2-BUTENE				10 UG/L		UJ									
PESTICIDES															
4,4'-DDD	1 UG/L		U												
4,4'-DDE	1 UG/L		U												
4,4'-DDT	1 UG/L		U												

SAMPLE NUMBER:	063928			063928			063928			063928			063951		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALDRIN	.5 UG/L		U												
ALPHA-BHC	.5 UG/L		U												
ALPHA-CHLORDANE	5 UG/L		U												
AROCLOR-1016	5 UG/L		U												
AROCLOR-1221	5 UG/L		U												
AROCLOR-1232	5 UG/L		U												
AROCLOR-1242	5 UG/L		U												
AROCLOR-1248	5 UG/L		U												
AROCLOR-1254	10 UG/L		U												
AROCLOR-1260	10 UG/L		U												
BETA-BHC	.5 UG/L		U												
CHLOROBENZILATE	1 UG/L		U	.1 UG/L		R									
DELTA-BHC	.5 UG/L		U												
DIELDRIN	1 UG/L		U												
ENDOSULFAN II	1 UG/L		U												
ENDOSULFAN SULFATE	1 UG/L		U												
ENDOSULFAN-I	.5 UG/L		U												
ENDRIN	1 UG/L		U												
ENDRIN KETONE	1 UG/L		U												
GAMMA-BHC (LINDANE)	.5 UG/L		U												
GAMMA-CHLORDANE	5 UG/L		U												
HEPTACHLOR	.5 UG/L		U	1.2 NG/L		-									
HEPTACHLOR EPOXIDE	.5 UG/L		U												
METHOXYCHLOR	5 UG/L		U												
SULFOTEP							10 UG/L		R						
TOXAPHENE	10 UG/L		U												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		R						
1,2-DICHLOROBENZENE							10 UG/L		R						
1,3-DICHLOROBENZENE							10 UG/L		R						
1,4-DICHLOROBENZENE							10 UG/L		R						
2,4,5-TRICHLOROPHENOL							50 UG/L		R						
2,4,6-TRICHLOROPHENOL							10 UG/L		R						
2,4-DICHLOROPHENOL							10 UG/L		R						
2,4-DIMETHYLPHENOL							10 UG/L		R						
2,4-DINITROPHENOL							3 UG/L		R						
2,4-DINITROTOLUENE							10 UG/L		R						
2,6-DINITROTOLUENE							10 UG/L		R						
2-CHLORONAPHTHALENE							10 UG/L		R						
2-CHLOROPHENOL							10 UG/L		R						
2-METHYLNAPHTHALENE							10 UG/L		R						
2-METHYLPHENOL							10 UG/L		R						
2-NITROANILINE							50 UG/L		R						
2-NITROPHENOL							10 UG/L		R						
3,3'-DICHLOROBENZIDINE							20 UG/L		UJ						

000362

6417

SAMPLE NUMBER:	063928			063928			063928			063928			063951		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
3-NITROANILINE							50 UG/L		R						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		R						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		R						
4-CHLORO-3-METHYLPHENOL							10 UG/L		R						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		R						
4-METHYLPHENOL							10 UG/L		R						
4-NITROANILINE							50 UG/L		R						
4-NITROPHENOL							50 UG/L		R						
ACENAPHTHENE							10 UG/L		R						
ACENAPHTHYLENE							10 UG/L		R						
ANTHRACENE							10 UG/L		UJ						
BENZO(A)ANTHRACENE							10 UG/L		UJ						
BENZO(A)PYRENE							10 UG/L		UJ						
BENZO(B)FLUORANTHENE							10 UG/L		UJ						
BENZO(G,H,I)PERYLENE							10 UG/L		UJ						
BENZO(K)FLUORANTHENE							10 UG/L		UJ						
BENZOIC ACID							50 UG/L		R						
BENZYL ALCOHOL							10 UG/L		R						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		R						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		R						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		R						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		UJ						
BUTYL BENZYL PHTHALATE							10 UG/L		UJ						
CHRYSENE							10 UG/L		UJ						
DI-N-BUTYL PHTHALATE							10 UG/L		UJ						
DI-N-OCTYL PHTHALATE							10 UG/L		UJ						
DIBENZO(A,H)ANTHRACENE							10 UG/L		UJ						
DIBENZOFURAN							10 UG/L		R						
DIETHYL PHTHALATE							10 UG/L		R						
DIMETHYL PHTHALATE							10 UG/L		R						
FLUORANTHENE							10 UG/L		UJ						
FLUORENE							10 UG/L		R						
HEXACHLOROBENZENE							10 UG/L		R						
HEXACHLOROBUTADIENE							10 UG/L		R						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		R						
HEXACHLOROETHANE							10 UG/L		R						
INDENO(1,2,3-CD)PYRENE							10 UG/L		UJ						
ISOPHORONE							10 UG/L		R						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		R						
N-NITROSODIMETHYLAMINE							10 UG/L		R						
N-NITROSODIPHENYLAMINE							10 UG/L		R						
NAPHTHALENE							10 UG/L		R						
NITROBENZENE							10 UG/L		R						
O,O,O-TRIETHYLPHOSPHOROTHIO ATE							10 UG/L		R						
PENTACHLOROPHENOL							5 UG/L		R						

SAMPLE NUMBER:	063928			063928			063928			063928			063951		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			R-FIL			NONE-UNF			F-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PHENANTHRENE							10 UG/L		UJ						
PHENOL							10 UG/L		R						
PYRENE							10 UG/L		UJ						
PYRIDINE							10 UG/L		R						
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,1-TRICHLOROETHANE				1 UG/L		J									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,2-TRICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHENE				5 UG/L		U									
1,2-DICHLOROETHANE				5 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U									
1,2-DICHLOROPROPANE				5 UG/L		U									
2-BUTANONE				17 UG/L		-									
2-HEXANONE				19 UG/L		-									
4-METHYL-2-PENTANONE				10 UG/L		-									
ACETONE				48 UG/L		-									
BENZENE				5 UG/L		UJ									
BROMODICHLOROMETHANE				5 UG/L		U									
BROMOFORM				5 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				5 UG/L		U									
CARBON TETRACHLORIDE				5 UG/L		U									
CHLOROBENZENE				5 UG/L		UJ									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				30 UG/L		-									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				5 UG/L		U									
DIBROMOCHLOROMETHANE				5 UG/L		U									
ETHYLBENZENE				5 UG/L		UJ									
ISOBUTYL ALCOHOL				22 UG/L		J									
METHYLENE CHLORIDE				5 UG/L		U									
STYRENE				5 UG/L		UJ									
TETRACHLOROETHENE				5 UG/L		U									
TOLUENE				5 UG/L		UJ									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U									
TRICHLOROETHENE				5 UG/L		U									
TRICHLOROFLUOROMETHANE				10 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				5 UG/L		UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063951	123019	123019	123019	123021
TASK:	10.03.01	10.03.08	10.03.08	10.03.08	10.03.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1772	1772	1772	1772	1772
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-NOV-91	22-JUN-93	22-JUN-93	22-JUN-93	22-JUN-93
NORTH COORDINATE:	481771.63	481771.63	481771.63	481771.63	481771.63
EAST COORDINATE:	1378500.36	1378500.36	1378500.36	1378500.36	1378500.36
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	DLRE-FIL	NONE-FIL	RE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM							43.5 MG/L		J						
ANTIMONY							.005 MG/L		UJ						
ARSENIC							.308 MG/L		-						
BARIUM							.69 MG/L		-						
BERYLLIUM							.0048 MG/L		-						
CADMIUM							.005 MG/L		U						
CALCIUM							2850 MG/L		-						
CHROMIUM							.111 MG/L		-						
COBALT							.129 MG/L		-						
COPPER							1.04 MG/L		-						
CYANIDE							.44 MG/L		-						
IRON							29.2 MG/L		-						
LEAD							1.82 MG/L		-						
MAGNESIUM							4730 MG/L		-						
MANGANESE							145 MG/L		-						
MERCURY							.00086 MG/L		J						
MOLYBDENUM							.637 MG/L		-						
NICKEL							.372 MG/L		-						
POTASSIUM							859 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILICON							41.7 MG/L		-						
SILVER							.0333 MG/L		-						
SODIUM							4830 MG/L		-						
THALLIUM							.128 MG/L		J						
VANADIUM							.0932 MG/L		-						
ZINC							.571 MG/L		-						
RADIONUCLIDES															
URANIUM-238	2470 PCI/L	300	-										2890 PCI/L	600	J
URANIUM, TOTAL	4960 UG/L	720	-										6500 UG/L	900	-
URANIUM-234	1590 PCI/L	200	-										1420 PCI/L	300	J

SAMPLE NUMBER:	063951			123019			123019			123019			123021		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DLRE-FIL			NONE-FIL			RE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230													854 PCI/L	241	J
URANIUM-235/236	78.5 PCI/L	17.5	-										148 PCI/L	42	J
THORIUM-232													107 PCI/L	40	J
THORIUM, TOTAL													972 UG/L	374	J
THORIUM-228													495 PCI/L	145	J
NEPTUNIUM-237													6.78 PCI/L	2.2	J
PLUTONIUM-239/240													2.64 PCI/L	1.2	J
PLUTONIUM-238													22.4 PCI/L	5.6	-
STRONTIUM-90	106 PCI/L	12	-												
TECHNETIUM-99	119 PCI/L	23	-										188 PCI/L	29	-
RUTHENIUM-106	150 PCI/L		U										160 PCI/L		UJ
CESIUM-137	20 PCI/L		U										20 PCI/L		UJ
GROSS ALPHA	3626 PCI/L	993	NV												
GROSS BETA	5289 PCI/L	675	NV												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		UJ						
1,2-DICHLOROBENZENE							10 UG/L		UJ						
1,3-DICHLOROBENZENE							10 UG/L		UJ						
1,4-DICHLOROBENZENE							10 UG/L		UJ						
2,4,5-TRICHLOROPHENOL							25 UG/L		UR						
2,4,6-TRICHLOROPHENOL							10 UG/L		UR						
2,4-DICHLOROPHENOL							10 UG/L		UR						
2,4-DIMETHYLPHENOL							10 UG/L		UR						
2,4-DINITROPHENOL							17 UG/L		J						
2,4-DINITROTOLUENE							10 UG/L		UJ						
2,6-DINITROTOLUENE							3 UG/L		J						
2-BENZYL-4-CHLOROPHENOL				100 UG/L		UNV	10 UG/L		UNV	10 UG/L		UNV			
2-CHLORONAPHTHALENE							10 UG/L		UJ						
2-CHLOROPHENOL							10 UG/L		UR						
2-METHYLNAPHTHALENE							10 UG/L		UJ						
2-METHYLPHENOL							10 UG/L		UR						
2-NITROANILINE							25 UG/L		UJ						
2-NITROPHENOL							3 UG/L		J						
3,3'-DICHLOROBENZIDINE							10 UG/L		UJ						
3-NITROANILINE							25 UG/L		UJ						
4,6-DINITRO-2-METHYLPHENOL							12 UG/L		J						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		UJ						
4-CHLORO-3-METHYLPHENOL							10 UG/L		UR						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		UJ						
4-METHYLPHENOL							10 UG/L		UR						
4-NITROANILINE							25 UG/L		UJ						
4-NITROPHENOL							25 UG/L		UR						
ACENAPHTHENE							10 UG/L		UJ						
ACENAPHTHYLENE							10 UG/L		UJ						
ANTHRACENE							10 UG/L		UJ						

SAMPLE NUMBER:	063951			123019			123019			123019			123021		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DLRE-FIL			NONE-FIL			RE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(A)ANTHRACENE							10 UG/L		UJ						
BENZO(A)PYRENE							10 UG/L		UJ						
BENZO(B)FLUORANTHENE							10 UG/L		UJ						
BENZO(G,H,I)PERYLENE							10 UG/L		UJ						
BENZO(K)FLUORANTHENE							10 UG/L		UJ						
BENZOIC ACID							150 UG/L		J						
BENZYL ALCOHOL							10 UG/L		UJ						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		UJ						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		UJ						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		UJ						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		UJ						
BUTYL BENZYL PHTHALATE							10 UG/L		UJ						
CARBAZOLE							10 UG/L		UJ						
CHRYSENE							10 UG/L		UJ						
DI-N-BUTYL PHTHALATE							10 UG/L		UJ						
DI-N-OCTYL PHTHALATE							10 UG/L		UJ						
DIBENZO(A,H)ANTHRACENE							10 UG/L		UJ						
DIBENZOFURAN							10 UG/L		UJ						
DIETHYL PHTHALATE							2 UG/L		J						
DIMETHYL PHTHALATE							10 UG/L		UJ						
FLUORANTHENE							10 UG/L		UJ						
FLUORENE							10 UG/L		UJ						
HEXACHLOROBENZENE							10 UG/L		UJ						
HEXACHLOROBUTADIENE							10 UG/L		UJ						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		UJ						
HEXACHLOROETHANE							10 UG/L		UJ						
INDENO(1,2,3-CD)PYRENE							10 UG/L		UJ						
ISOPHORONE							10 UG/L		UJ						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		UJ						
N-NITROSODIPHENYLAMINE							10 UG/L		UJ						
NAPHTHALENE							1 UG/L		J						
NITROBENZENE							10 UG/L		UJ						
P-CHLOROANILINE							10 UG/L		UJ						
PENTACHLOROPHENOL							19 UG/L		J						
PHENANTHRENE							10 UG/L		UJ						
PHENOL							10 UG/L		UR						
PYRENE							10 UG/L		UJ						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		J						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						

SAMPLE NUMBER:	063951			123019			123019			123019			123021		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DLRE-FIL			NONE-FIL			RE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							11 UG/L		-						
2-HEXANONE							7 UG/L		J						
4-METHYL-2-PENTANONE							12 UG/L		-						
ACETONE							22 UG/L		-						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							30 UG/L		-						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		UJ						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063932	063932	063932	123001	123003
TASK:	10.03.01	10.03.01	10.03.01	10.03.08	10.03.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1773	1773	1773	1773	1773
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-NOV-91	12-NOV-91	12-NOV-91	22-JUN-93	22-JUN-93
NORTH COORDINATE:	481696.36	481696.36	481696.36	481696.36	481696.36
EAST COORDINATE:	1378864.51	1378864.51	1378864.51	1378864.51	1378864.51
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-FIL	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
BROMIDE				1 MG/L		U									
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN				.94 NG/L		U									
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN				2 NG/L		U									
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN				2.8 NG/L		U									
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN				.86 NG/L		U									
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN				1.2 NG/L		U									
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN				.68 NG/L		U									
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN				1 NG/L		U									
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN				.72 NG/L		U									
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN				1.3 NG/L		U									
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN				1.5 NG/L		UJ									
1,2,3,7,8-PENTACHLORODIBENZOFURAN				1 NG/L		U									
1,4-DIOXANE				190 UG/L		J									
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN				1.2 NG/L		U									
2,3,4,7,8-PENTACHLORODIBENZOFURAN				1.1 NG/L		U									
2,3,7,8-TETRACHLORODIBENZO-				.2 NG/L		U									

SAMPLE NUMBER:	063932			063932			063932			123001			123003		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
2,3,7,8-TETRACHLORODIBENZOFURAN				2.1 NG/L		U									
HEPTACHLORODIBENZO-P-DIOXINS				.94 NG/L		U									
HEPTACHLORODIBENZOFURANS				2.4 NG/L		U									
HEXACHLORODIBENZO-P-DIOXINS				.75 NG/L		U									
HEXACHLORODIBENZOFURANS				1.2 NG/L		U									
OCTACHLORODIBENZO-P-DIOXIN				1.1 NG/L		U									
OCTACHLORODIBENZOFURAN				.74 NG/L		U									
PENTACHLORODIBENZO-P-DIOXINS				1.5 NG/L		UJ									
PENTACHLORODIBENZOFURANS				1.1 NG/L		U									
TETRACHLORODIBENZO-P-DIOXINS				.68 NG/L		U									
TETRACHLORODIBENZOFURANS				.69 NG/L		U									
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				835 MG/L		-									
AMMONIA				51.5 MG/L		-									
CHLORIDE				5048 MG/L		-									
FLUORIDE				.4 MG/L		U									
NITRATE				.4 MG/L		U									
PH				7.18 SU		-				10 UG/L		UJ			
PHOSPHATE				.381 MG/L		-									
SULFATE				125 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				47.7 MG/L		-									
HERBICIDES															
2,4,5-T	16 UG/L		U	50 UG/L		U				25 UG/L		UR			
2,4,5-TP (SILVEX)	15 UG/L		U												
2,4-D	82 UG/L		U	10 UG/L		U				10 UG/L		UR			
INORGANICS															
ALUMINUM							12.4 MG/L		J	6.35 MG/L		-			
ANTIMONY							.775 MG/L		J	.005 MG/L		UJ			
ARSENIC							.0023 MG/L		J	.004 MG/L		UJ			
BARIUM							2.79 MG/L		J	2.69 MG/L		-			
BERYLLIUM							.0809 MG/L		-	.0112 MG/L		-			
BORON							2.93 MG/L		J						
CADMIUM							.102 MG/L		J	.005 MG/L		UJ			
CALCIUM							386 MG/L		-	473 MG/L		-			
CHROMIUM							2.22 MG/L		-	.01 MG/L		UJ			

SAMPLE NUMBER:	063932			063932			063932			123001			123003		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT							.338 MG/L		J	.01 MG/L		U			
COPPER							.643 MG/L		J	.01 MG/L		U			
CYANIDE				.0202 MG/L		J				.0088 MG/L		J			
IRON							1.05 MG/L		J	1.98 MG/L		-			
LEAD							.002 MG/L		-	.0171 MG/L		-			
MAGNESIUM							959 MG/L		-	1150 MG/L		-			
MANGANESE							104 MG/L		-	61.7 MG/L		-			
MERCURY				.0002 MG/L		-				.0002 MG/L		U			
MOLYBDENUM							.629 MG/L		J	.208 MG/L		-			
NICKEL							.735 MG/L		J	.196 MG/L		-			
POTASSIUM							478 MG/L		-	713 MG/L		-			
SELENIUM							.002 MG/L		UJ	.002 MG/L		UJ			
SILICON							10.5 MG/L		-	14.2 MG/L		-			
SILVER							1.16 MG/L		J	.155 MG/L		-			
SODIUM							833 MG/L		-	1150 MG/L		-			
THALLIUM							.01 MG/L		UJ	.01 MG/L		UJ			
TIN							.2 MG/L		U						
VANADIUM							.929 MG/L		J	.01 MG/L		UR			
ZINC							.0817 MG/L		J	.061 MG/L		-			
No sort code listed.															
1,2,3-TRICHLOROPROPANE				10 UG/L		UJ									
1,2,4,5-TETRACHLOROBENZENE				10 UG/L		UJ									
1,2-DIBROMO-3-CHLOROPROPANE				10 UG/L		UJ									
1,2-DIBROMOETHANE				10 UG/L		UJ									
1,3,5-TRINITROBENZENE				10 UG/L		R									
1,3-DINITROBENZENE				10 UG/L		UJ									
1,4-NAPHTHOQUINONE				10 UG/L		R									
1-NAPHTHYLAMINE				120 UG/L		R									
2,3,4,6-TETRACHLOROPHENOL				10 UG/L		UJ									
2,6-DICHLOROPHENOL				10 UG/L		UJ									
2-ACETYLAMINOFLUORENE				10 UG/L		U									
2-CHLORO-1,3-BUTADIENE				10 UG/L		UJ									
2-NAPHTHYLAMINE				170 UG/L		R									
2-PICOLINE				70 UG/L		UJ									
3,3'-DIMETHYLBENZIDINE				80 UG/L		U									
3-CHLOROPROPENE				10 UG/L		UJ									
3-METHYLCHOLANTHRENE				30 UG/L		U									
3-METHYLPHENOL				10 UG/L		R									
4-AMINOBIPHENYL				50 UG/L		UJ									
4-CHLOROANILINE				10 UG/L		U									
4-NITROQUINOLINE-1-OXIDE				10 UG/L		R									
5-NITRO-O-TOLUIDINE				20 UG/L		R									
7,12-DIMETHYLBENZ(A)ANTHRACENE				20 UG/L		UJ									
A,A-DIMETHYLPHENETHYLAMINE				10 UG/L		UJ									

SAMPLE NUMBER:	063932			063932			063932			123001			123003		
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	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
ACETONITRILE				69 UG/L		J									
ACETOPHENONE				10 UG/L		R									
ACROLEIN				20 UG/L		UJ									
ACROLEIN				20 UG/L		UJ									
ACRYLONITRILE				20 UG/L		R									
ANILINE				50 UG/L		U									
ARAMITE				10 UG/L		UJ									
DIALLATE				10 UG/L		UJ									
DIBROMOMETHANE				10 UG/L		UJ									
DICHLORODIFLUOROMETHANE				200 UG/L		R									
DINOSEB	5.7 UG/L		U												
DIPHENYLAMINE				10 UG/L		R									
ETHYL CYANIDE				10 UG/L		UJ									
ETHYL METHACRYLATE				10 UG/L		UJ									
ETHYL METHANESULFONATE				10 UG/L		UJ									
HEXACHLOROPHENE				50 UG/L		UJ									
HEXACHLOROPROPENE				20 UG/L		R									
IODOMETHANE				10 UG/L		UJ									
ISODRIN	.5 UG/L		U												
ISOSAFROLE				10 UG/L		UJ									
KEPONE	1 UG/L		U												
METHACRYLONITRILE				10 UG/L		UJ									
METHAPYRILENE				40 UG/L		UJ									
METHYL METHACRYLATE				10 UG/L		UJ									
METHYL METHANESULFONATE				10 UG/L		R									
N-NITROSODI-N-BUTYLAMINE				20 UG/L		UJ									
N-NITROSODIETHYLAMINE				10 UG/L		UJ									
N-NITROSOMETHYLETHYLAMINE				10 UG/L		UJ									
N-NITROSOMORPHOLINE				10 UG/L		U									
N-NITROSOPIPERIDINE				10 UG/L		UJ									
N-NITROSOPYRROLIDINE				10 UG/L		UJ									
O-TOLUIDINE				10 UG/L		UJ									
P-DIMETHYLAMINOAZOBENZENE				30 UG/L		UJ									
P-PHENYLENEDIAMINE				50 UG/L		UJ									
PENTACHLOROBENZENE				20 UG/L		UJ									
PENTACHLOROETHANE				20 UG/L		UJ									
PENTACHLORONITROBENZENE				20 UG/L		U									
PHENACETIN				10 UG/L		UJ									
PRONAMIDE				30 UG/L		UJ									
SAFROLE				10 UG/L		UJ									
TETRAETHYLPYROPHOSPHATE				15 UG/L		U									
TRANS-1,4-DICHLORO-2-BUTENE				10 UG/L		UJ									
ORGANOPHOSPHORUS PESTICIDES															
DISULFOTON				15 UG/L		U									
METHYL PARATHION				15 UG/L		U									

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	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
ORGANOPHOSPHORUS PESTICIDES															
PHORATE				15 UG/L		U									
PESTICIDES															
4,4'-DDD	1 UG/L		U												
4,4'-DDE	1 UG/L		U												
4,4'-DDT	1 UG/L		U												
ALDRIN	.5 UG/L		U												
ALPHA-BHC	.1 UG/L		R												
ALPHA-CHLORDANE	5 UG/L		U												
AROCLOR-1016	5 UG/L		U												
AROCLOR-1221	5 UG/L		U												
AROCLOR-1232	5 UG/L		U												
AROCLOR-1242	5 UG/L		U												
AROCLOR-1248	5 UG/L		U												
AROCLOR-1254	10 UG/L		U												
AROCLOR-1260	10 UG/L		U												
BETA-BHC	.5 UG/L		U												
CHLOROBENZILATE	1 UG/L		U												
DELTA-BHC	.5 UG/L		U												
DIELDRIN	1 UG/L		U												
ENDOSULFAN II	1 UG/L		U												
ENDOSULFAN SULFATE	1 UG/L		U												
ENDOSULFAN-I	.5 UG/L		U												
ENDRIN	1 UG/L		U												
ENDRIN KETONE	1 UG/L		U												
GAMMA-BHC (LINDANE)	.5 UG/L		U												
GAMMA-CHLORDANE	5 UG/L		U												
HEPTACHLOR	.5 UG/L		U	.94 NG/L		U									
HEPTACHLOR EPOXIDE	.5 UG/L		U												
METHOXYCHLOR	5 UG/L		U												
SULFOTEP				10 UG/L		UJ									
TOXAPHENE	10 UG/L		U												
RADIONUCLIDES															
URANIUM-238				426000 PCI/L	55000	-							66100 PCI/L	15300	J
URANIUM, TOTAL				500000 UG/L	66000	-							149000 UG/L	20000	-
URANIUM-234				147000 PCI/L	22000	-							20900 PCI/L	4900	J
THORIUM-230				5.17 PCI/L	2.57	J							1250 PCI/L	350	J
RADIUM-226				1 PCI/L		UJ									
URANIUM-235/236				27200 PCI/L	6800	-							1260 PCI/L	350	J
THORIUM-232				1.6 PCI/L		UJ							59.3 PCI/L	21.5	J
THORIUM, TOTAL				15 UG/L		UJ							541 UG/L	196	J
RADIUM-228				8.51 PCI/L	1.55	-									
THORIUM-228				13.8 PCI/L	4.5	J							89.1 PCI/L	30	J
NEPTUNIUM-237													6.81 PCI/L	1.89	J

SAMPLE NUMBER:	063932			063932			063932			123001			123003		
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SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
PLUTONIUM-239/240				1 PCI/L		U							1.35 PCI/L	.62	U
PLUTONIUM-238				1 PCI/L		U							1.32 PCI/L	.62	J
STRONTIUM-90				17.2 PCI/L	2.5	J							24.8 PCI/L	3.9	-
TECHNETIUM-99				352 PCI/L	51	J							259 PCI/L	36	-
RUTHENIUM-106				311 PCI/L		U							150 PCI/L		UJ
CESIUM-137				34 PCI/L		U							18 PCI/L		UJ
GROSS ALPHA				133784 PCI/L	13537	NV									
GROSS BETA				181294 PCI/L	18474	NV									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U				10 UG/L		UJ			
1,2-DICHLOROBENZENE				10 UG/L		U				10 UG/L		UJ			
1,3-DICHLOROBENZENE				10 UG/L		U				10 UG/L		UJ			
1,4-DICHLOROBENZENE				10 UG/L		U				10 UG/L		UJ			
2,4,5-TRICHLOROPHENOL				50 UG/L		U				25 UG/L		UR			
2,4,6-TRICHLOROPHENOL				10 UG/L		U				10 UG/L		UR			
2,4-DICHLOROPHENOL				10 UG/L		U				10 UG/L		UR			
2,4-DIMETHYLPHENOL				86 UG/L		-				28 UG/L		J			
2,4-DINITROPHENOL				50 UG/L		U				25 UG/L		UR			
2,4-DINITROTOLUENE				10 UG/L		U				10 UG/L		UJ			
2,6-DINITROTOLUENE				5 UG/L		J				10 UG/L		UJ			
2-BENZYL-4-CHLOROPHENOL										10 UG/L		UNV			
2-CHLORONAPHTHALENE				10 UG/L		U				10 UG/L		UJ			
2-CHLOROPHENOL				10 UG/L		U				10 UG/L		UR			
2-METHYLNAPHTHALENE				10 UG/L		UJ				10 UG/L		UJ			
2-METHYLPHENOL				23 UG/L		-				16 UG/L		J			
2-NITROANILINE				50 UG/L		U				25 UG/L		UJ			
2-NITROPHENOL				10 UG/L		U				10 UG/L		UR			
3,3'-DICHLOROBENZIDINE				20 UG/L		U				10 UG/L		UJ			
3-NITROANILINE				50 UG/L		UJ				25 UG/L		UJ			
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U				25 UG/L		R			
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U				10 UG/L		UJ			
4-CHLORO-3-METHYLPHENOL				10 UG/L		U				6 UG/L		J			
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U				10 UG/L		UJ			
4-METHYLPHENOL				10 UG/L		U				19 UG/L		J			
4-NITROANILINE				50 UG/L		U				25 UG/L		UJ			
4-NITROPHENOL				50 UG/L		U				25 UG/L		UR			
ACENAPHTHENE				10 UG/L		U				10 UG/L		UJ			
ACENAPHTHYLENE				10 UG/L		U				10 UG/L		UJ			
ANTHRACENE				10 UG/L		U				10 UG/L		UJ			
BENZO(A)ANTHRACENE				10 UG/L		U				10 UG/L		UJ			
BENZO(A)PYRENE				10 UG/L		U				10 UG/L		UJ			
BENZO(B)FLUORANTHENE				10 UG/L		U				10 UG/L		UJ			
BENZO(G,H,I)PERYLENE				10 UG/L		U				10 UG/L		UJ			
BENZO(K)FLUORANTHENE				10 UG/L		U				10 UG/L		UJ			
BENZOIC ACID				50 UG/L		UJ				10 UG/L		R			

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SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZYL ALCOHOL				10 UG/L		U				10 UG/L		UJ			
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U				10 UG/L		UJ			
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U				10 UG/L		UJ			
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U				10 UG/L		UJ			
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U				10 UG/L		UJ			
BUTYL BENZYL PHTHALATE				10 UG/L		U				10 UG/L		UJ			
CARBAZOLE				10 UG/L		U				10 UG/L		UJ			
CHRYSENE				10 UG/L		U				10 UG/L		UJ			
DI-N-BUTYL PHTHALATE				10 UG/L		U				10 UG/L		UJ			
DI-N-OCTYL PHTHALATE				10 UG/L		U				10 UG/L		UJ			
DIBENZO(A,H)ANTHRACENE				10 UG/L		U				10 UG/L		UJ			
DIBENZOFURAN				10 UG/L		U				10 UG/L		UJ			
DIETHYL PHTHALATE				10 UG/L		U				10 UG/L		UJ			
DIMETHYL PHTHALATE				10 UG/L		U				10 UG/L		UJ			
FLUORANTHENE				10 UG/L		U				10 UG/L		UJ			
FLUORENE				10 UG/L		U				10 UG/L		UJ			
HEXACHLOROBENZENE				10 UG/L		U				10 UG/L		UJ			
HEXACHLOROBUTADIENE				10 UG/L		U				10 UG/L		UJ			
HEXACHLOROCYCLOPENTADIENE				10 UG/L		UJ				10 UG/L		UJ			
HEXACHLOROETHANE				10 UG/L		U				10 UG/L		UJ			
INDENO(1,2,3-CD)PYRENE				10 UG/L		U				10 UG/L		UJ			
ISOPHORONE				10 UG/L		UJ				10 UG/L		UJ			
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		UJ				10 UG/L		UJ			
N-NITROSODIMETHYLAMINE				10 UG/L		U				10 UG/L		UJ			
N-NITROSODIPHENYLAMINE				10 UG/L		U				10 UG/L		UJ			
NAPHTHALENE				10 UG/L		U				10 UG/L		UJ			
NITROBENZENE				10 UG/L		U				10 UG/L		UJ			
O,O,O-TRIETHYLPHOSPHOROTHIO ATE				15 UG/L		R									
P-CHLOROANILINE										10 UG/L		UJ			
PENTACHLOROPHENOL				50 UG/L		U				25 UG/L		UR			
PHENANTHRENE				10 UG/L		U				10 UG/L		UJ			
PHENOL				10 UG/L		U				10 UG/L		R			
PYRENE				10 UG/L		U				10 UG/L		UJ			
PYRIDINE				10 UG/L		U									
TRIBUTYL PHOSPHATE				10 UG/L		U									
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				10 UG/L		UJ									
1,1,1-TRICHLOROETHANE										7 UG/L		J			
1,1,2,2-TETRACHLOROETHANE				6 UG/L		J				10 UG/L		U			
1,1,2-TRICHLOROETHANE				5 UG/L		UJ				10 UG/L		U			
1,1-DICHLOROETHANE				160 UG/L		J				55 UG/L		-			
1,1-DICHLOROETHENE				9 UG/L		J				2 UG/L		J			
1,2-DICHLOROETHANE				5 UG/L		UJ				10 UG/L		U			

SAMPLE NUMBER:	063932			063932			063932			123001			123003		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)				180 UG/L		J				370 UG/L		UJ			
1,2-DICHLOROPROPANE				5 UG/L		UJ				10 UG/L		U			
2-BUTANONE				92 UG/L		J				87 UG/L		J			
2-HEXANONE				1 UG/L		J				4 UG/L		J			
4-METHYL-2-PENTANONE				16 UG/L		J				15 UG/L		-			
ACETONE				78 UG/L		J				49 UG/L		-			
BENZENE				3 UG/L		J				6 UG/L		J			
BROMODICHLOROMETHANE				5 UG/L		UJ				10 UG/L		U			
BROMOFORM				5 UG/L		UJ				10 UG/L		U			
BROMOMETHANE				10 UG/L		UJ				10 UG/L		U			
CARBON DISULFIDE				5 UG/L		UJ				10 UG/L		U			
CARBON TETRACHLORIDE				5 UG/L		UJ				10 UG/L		U			
CHLOROBENZENE				5 UG/L		UJ				10 UG/L		U			
CHLOROETHANE				6 UG/L		J				10 UG/L		U			
CHLOROFORM	38 UG/L		-							99 UG/L		-			
CHLOROMETHANE				10 UG/L		UJ				10 UG/L		U			
CIS-1,3-DICHLOROPROPENE				5 UG/L		UJ				10 UG/L		U			
DIBROMOCHLOROMETHANE				5 UG/L		UJ				10 UG/L		U			
ETHYLBENZENE				5 UG/L		UJ				10 UG/L		U			
ISOBUTYL ALCOHOL				19 UG/L		J									
METHYLENE CHLORIDE				55 UG/L		J				24 UG/L		UJ			
STYRENE				5 UG/L		UJ				10 UG/L		U			
TETRACHLOROETHENE	140 UG/L		-							140 UG/L		-			
TOLUENE				3 UG/L		J				3 UG/L		J			
TRANS-1,3-DICHLOROPROPENE				5 UG/L		UJ				10 UG/L		U			
TRICHLOROETHENE				39 UG/L		J				13 UG/L		-			
TRICHLOROFLUOROMETHANE				10 UG/L		UJ									
VINYL ACETATE				10 UG/L		UJ									
VINYL CHLORIDE				10 UG/L		UJ				35 UG/L		-			
XYLENES, TOTAL				5 UG/L		J				2 UG/L		J			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063937	063937	063937	063937	123004
TASK:	10.03.01	10.03.01	10.03.01	10.03.01	10.03.08
LAB:	IT	IT	IT	UNKNOWN	IT
WELL OR BORING NUMBER:	1774	1774	1774	1774	1774
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-NOV-91	13-NOV-91	13-NOV-91	13-NOV-91	21-JUN-93
NORTH COORDINATE:	481765.34	481765.34	481765.34	481765.34	481765.34
EAST COORDINATE:	1378912.61	1378912.61	1378912.61	1378912.61	1378912.61
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-FIL	NONE-FIL	NONE-UNF	DL-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
BROMIDE				1 MG/L		U									
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN				.82 NG/L		U									
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN				.84 NG/L		U									
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN				1.2 NG/L		U									
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN				.81 NG/L		U									
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN				1.2 NG/L		U									
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN				.65 NG/L		U									
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN				1 NG/L		U									
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN				.68 NG/L		U									
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN				1.3 NG/L		U									
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN				1 NG/L		UJ									
1,2,3,7,8-PENTACHLORODIBENZOFURAN				1 NG/L		U									
1,4-DIOXANE				630 UG/L		R									
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN				1.2 NG/L		U									
2,3,4,7,8-PENTACHLORODIBENZOFURAN				1.1 NG/L		U									
2,3,7,8-TETRACHLORODIBENZO-				.043 NG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	063937			063937			063937			063937			123004		
LAB:	IT			IT			IT			UNKNOWN			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-UNF			DL-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
2,3,7,8-TETRACHLORODIBENZOFURAN				3.6 NG/L		U									
HEPTACHLORODIBENZO-P-DIOXINS				.82 NG/L		U									
HEPTACHLORODIBENZOFURANS				.98 NG/L		U									
HEXACHLORODIBENZO-P-DIOXINS				.71 NG/L		U									
HEXACHLORODIBENZOFURANS				1.2 NG/L		U									
OCTACHLORODIBENZO-P-DIOXIN				.9 NG/L		U									
OCTACHLORODIBENZOFURAN				.9 NG/L		U									
PENTACHLORODIBENZO-P-DIOXINS				1 NG/L		UJ									
PENTACHLORODIBENZOFURANS				1 NG/L		U									
TETRACHLORODIBENZO-P-DIOXINS				1.4 NG/L		U									
TETRACHLORODIBENZOFURANS				1.7 NG/L		UJ									
GENERAL CHEMISTRY															
AMMONIA				9.28 MG/L		-									
CHLORIDE				5251 MG/L		-									
FLUORIDE				.4 MG/L		U									
NITRATE				.4 MG/L		U									
PHOSPHORUS				1 MG/L		U									
SULFATE				1.85 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				80.6 MG/L		-									
HERBICIDES															
2,4,5-T				30 UG/L		U							25 UG/L		UR
2,4,5-TP (SILVEX)				28 UG/L		U									
2,4-D				10 UG/L		U							4 UG/L		J
INORGANICS															
ALUMINUM							4.76 MG/L		J				8.63 MG/L		-
ANTIMONY							.956 MG/L		J				.005 MG/L		UJ
ARSENIC							.002 MG/L		U				.0032 MG/L		UJ
BARIUM							.273 MG/L		J				.283 MG/L		-
BERYLLIUM							.0179 MG/L		-				.002 MG/L		U
BORON							1.03 MG/L		J						
CADMIUM							.118 MG/L		J				.005 MG/L		UJ
CALCIUM							703 MG/L		-				578 MG/L		-
CHROMIUM							.8 MG/L		J				.01 MG/L		UJ
COBALT							.236 MG/L		J				.146 MG/L		-
COPPER							.165 MG/L		J				.01 MG/L		U

SAMPLE NUMBER:	063937			063937			063937			063937			123004		
LAB:	IT			IT			IT			UNKNOWN			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-UNF			DL-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE				.0265 MG/L		J							.0148 MG/L		J
IRON							.443 MG/L		J				.491 MG/L		-
LEAD							.002 MG/L		U				.0104 MG/L		-
MAGNESIUM							1070 MG/L		-				1050 MG/L		-
MANGANESE							558 MG/L		-				559 MG/L		-
MERCURY				.0002 MG/L		UJ							.0002 MG/L		U
MOLYBDENUM							.399 MG/L		J				.11 MG/L		-
NICKEL							2.13 MG/L		J				.915 MG/L		-
POTASSIUM							22.6 MG/L		-				21.1 MG/L		-
SELENIUM							.0025 MG/L		J				.002 MG/L		UJ
SILICON							20.2 MG/L		J				17.5 MG/L		-
SILVER							.338 MG/L		J				.0623 MG/L		-
SODIUM							236 MG/L		-				239 MG/L		-
THALLIUM							.01 MG/L		UJ				.01 MG/L		UJ
TIN							.2 MG/L		U						
VANADIUM							.298 MG/L		J				.01 MG/L		UR
ZINC							.412 MG/L		-				.429 MG/L		-
No sort code listed.															
1,2,3-TRICHLOROPROPANE				10 UG/L		U									
1,2-DIBROMO-3-CHLOROPROPANE				10 UG/L		U									
1,2-DIBROMOETHANE				10 UG/L		U									
2-CHLORO-1,3-BUTADIENE				10 UG/L		U									
3-CHLOROPROPENE				10 UG/L		UJ									
ACETONITRILE				20 UG/L		R									
ACROLEIN				20 UG/L		UJ									
ACROLEIN				20 UG/L		UJ									
ACRYLONITRILE				20 UG/L		R									
DIBROMOMETHANE				10 UG/L		U									
DICHLORODIFLUOROMETHANE				200 UG/L		R									
DINOSEB										11 UG/L		U			
ETHYL CYANIDE				1 UG/L		J									
ETHYL METHACRYLATE				10 UG/L		U									
IODOMETHANE				10 UG/L		U									
ISODRIN	5 UG/L		U												
KEPONE	10 UG/L		U												
METHACRYLONITRILE				10 UG/L		U									
METHYL METHACRYLATE				10 UG/L		U									
TETRAETHYLPYROPHOSPHATE				15 UG/L		U									
TRANS-1,4-DICHLORO-2-BUTENE				10 UG/L		UJ									
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE				15 UG/L		U									
DISULFOTON				15 UG/L		U									
FAMPHUR				15 UG/L		U									

SAMPLE NUMBER:	063937			063937			063937			063937			123004		
LAB:	IT			IT			IT			UNKNOWN			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-UNF			DL-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
ORGANOPHOSPHORUS PESTICIDES															
METHYL PARATHION				15 UG/L		U									
PARATHION				15 UG/L		U									
PHORATE				15 UG/L		U									
THIONAZIN				15 UG/L		U									
PESTICIDES															
4,4'-DDD	10 UG/L		U												
4,4'-DDE	10 UG/L		U												
4,4'-DDT	10 UG/L		U												
ALDRIN	5 UG/L		U												
ALPHA-BHC	5 UG/L		U												
ALPHA-CHLORDANE	50 UG/L		U												
AROCLOR-1016	50 UG/L		U												
AROCLOR-1221	50 UG/L		U												
AROCLOR-1232	50 UG/L		U												
AROCLOR-1242	50 UG/L		U												
AROCLOR-1248	50 UG/L		U												
AROCLOR-1254	100 UG/L		U												
AROCLOR-1260	100 UG/L		U												
BETA-BHC	5 UG/L		U												
CHLOROBENZILATE	10 UG/L		-												
DELTA-BHC	5 UG/L		U												
DIELDRIN	10 UG/L		U												
ENDOSULFAN II	10 UG/L		U												
ENDOSULFAN SULFATE	10 UG/L		U												
ENDOSULFAN-I										5 UG/L		U			
ENDRIN	10 UG/L		U												
ENDRIN KETONE	10 UG/L		U												
GAMMA-BHC (LINDANE)	5 UG/L		U												
GAMMA-CHLORDANE	50 UG/L		U												
HEPTACHLOR	5 UG/L		U	.82 NG/L		U									
HEPTACHLOR EPOXIDE	5 UG/L		U												
METHOXYCHLOR	50 UG/L		U												
SULFOTEP				15 UG/L		U									
TOXAPHENE	100 UG/L		U												
RADIONUCLIDES															
URANIUM-238				26700 PCI/L	3300	J									
URANIUM, TOTAL				69500 UG/L	9100	-									
URANIUM-234				24100 PCI/L	3000	J									
THORIUM-230				3.8 PCI/L		U									
RADIUM-226				9.25 PCI/L	1.48	-									
URANIUM-235/236				1580 PCI/L	290	J									
THORIUM-232				1.9 PCI/L		U									
THORIUM, TOTAL				17 UG/L		U									

SAMPLE NUMBER:	063937			063937			063937			063937			123004		
LAB:	IT			IT			IT			UNKNOWN			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-UNF			DL-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
RADIUM-228				32.9 PCI/L	5.1	R									
THORIUM-228				13 PCI/L	4.2	-									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5.43 PCI/L	2.72	-									
TECHNETIUM-99				171 PCI/L	35	J									
RUTHENIUM-106				150 PCI/L		UJ									
CESIUM-137				20 PCI/L		UJ									
GROSS ALPHA				37403 PCI/L	3944	NV									
GROSS BETA				28342 PCI/L	2890	NV									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		UJ
1,2-DICHLOROBENZENE													10 UG/L		UJ
1,3-DICHLOROBENZENE													10 UG/L		UJ
1,4-DICHLOROBENZENE													10 UG/L		UJ
2,4,5-TRICHLOROPHENOL													25 UG/L		UR
2,4,6-TRICHLOROPHENOL													10 UG/L		UR
2,4-DICHLOROPHENOL													4 UG/L		J
2,4-DIMETHYLPHENOL													12 UG/L		J
2,4-DINITROPHENOL													2 UG/L		J
2,4-DINITROTOLUENE													10 UG/L		UJ
2,6-DINITROTOLUENE													10 UG/L		UJ
2-BENZYL-4-CHLOROPHENOL													32 UG/L		NV
2-CHLORONAPHTHALENE													10 UG/L		UJ
2-CHLOROPHENOL													4 UG/L		J
2-METHYLNAPHTHALENE													10 UG/L		UJ
2-METHYLPHENOL													6 UG/L		J
2-NITROANILINE													25 UG/L		UJ
2-NITROPHENOL													10 UG/L		UR
3,3'-DICHLOROBENZIDINE													10 UG/L		UJ
3-NITROANILINE													25 UG/L		UJ
4,6-DINITRO-2-METHYLPHENOL													25 UG/L		R
4-BROMOPHENYL PHENYL ETHER													10 UG/L		UJ
4-CHLORO-3-METHYLPHENOL													49 UG/L		J
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		UJ
4-METHYLPHENOL													55 UG/L		J
4-NITROANILINE													25 UG/L		UJ
4-NITROPHENOL													25 UG/L		UR
ACENAPHTHENE													10 UG/L		UJ
ACENAPHTHYLENE													10 UG/L		UJ
ANTHRACENE													10 UG/L		UJ
BENZO(A)ANTHRACENE													10 UG/L		UJ
BENZO(A)PYRENE													10 UG/L		UJ
BENZO(B)FLUORANTHENE													10 UG/L		UJ
BENZO(G,H,I)PERYLENE													10 UG/L		UJ

SAMPLE NUMBER:	063937			063937			063937			063937			123004		
LAB:	IT			IT			IT			UNKNOWN			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-UNF			DL-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(K)FLUORANTHENE													10 UG/L		UJ
BENZOIC ACID													80 UG/L		J
BENZYL ALCOHOL													10 UG/L		UJ
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		UJ
BIS(2-CHLOROETHYL)ETHER													10 UG/L		UJ
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		UJ
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		UJ
BUTYL BENZYL PHTHALATE													10 UG/L		UJ
CARBAZOLE													10 UG/L		UJ
CHRYSENE													10 UG/L		UJ
DI-N-BUTYL PHTHALATE													10 UG/L		UJ
DI-N-OCTYL PHTHALATE													10 UG/L		UJ
DIBENZO(A,H)ANTHRACENE													10 UG/L		UJ
DIBENZOFURAN													10 UG/L		UJ
DIETHYL PHTHALATE													14 UG/L		J
DIMETHYL PHTHALATE													10 UG/L		UJ
FLUORANTHENE													10 UG/L		UJ
FLUORENE													10 UG/L		UJ
HEXACHLOROBENZENE													10 UG/L		UJ
HEXACHLOROBUTADIENE													10 UG/L		UJ
HEXACHLOROCYCLOPENTADIENE													10 UG/L		UJ
HEXACHLOROETHANE													10 UG/L		UJ
INDENO(1,2,3-CD)PYRENE													10 UG/L		UJ
ISOPHORONE													10 UG/L		UJ
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		UJ
N-NITROSODIMETHYLAMINE													10 UG/L		UJ
N-NITROSODIPHENYLAMINE													10 UG/L		UJ
NAPHTHALENE													5 UG/L		J
NITROBENZENE													10 UG/L		UJ
O,O,O-TRIETHYLPHOSPHOROTHIO ATE				15 UG/L		U									
P-CHLOROANILINE													10 UG/L		UJ
PENTACHLOROPHENOL													25 UG/L		UR
PHENANTHRENE													10 UG/L		UJ
PHENOL													67 UG/L		J
PYRENE													10 UG/L		UJ
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,1-TRICHLOROETHANE				120 UG/L		-							46 UG/L		J
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U							10 UG/L		UJ
1,1,2-TRICHLOROETHANE				5 UG/L		U							10 UG/L		U
1,1-DICHLOROETHANE				87 UG/L		-							79 UG/L		J
1,1-DICHLOROETHENE				10 UG/L		-							3 UG/L		J
1,2-DICHLOROETHANE				5 UG/L		U							13 UG/L		J

SAMPLE NUMBER:	063937			063937			063937			063937			123004		
LAB:	IT			IT			IT			UNKNOWN			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-UNF			DL-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U							10 UG/L		U
1,2-DICHLOROPROPANE				5 UG/L		U							10 UG/L		U
2-BUTANONE	180 UG/L		-										100 UG/L		J
2-HEXANONE				53 UG/L		-							39 UG/L		J
4-METHYL-2-PENTANONE				34 UG/L		-							38 UG/L		J
ACETONE	540 UG/L		J										190 UG/L		J
BENZENE				5 UG/L		U							2 UG/L		J
BROMODICHLOROMETHANE				5 UG/L		U							10 UG/L		U
BROMOFORM				5 UG/L		U							10 UG/L		U
BROMOMETHANE				10 UG/L		U							10 UG/L		U
CARBON DISULFIDE				1 UG/L		J							2 UG/L		J
CARBON TETRACHLORIDE				5 UG/L		U							10 UG/L		U
CHLOROBENZENE				5 UG/L		U							10 UG/L		U
CHLOROETHANE				2 UG/L		J							10 UG/L		U
CHLOROFORM	1300 UG/L		-										1100 UG/L		J
CHLOROMETHANE				10 UG/L		U							10 UG/L		U
CIS-1,3-DICHLOROPROPENE				5 UG/L		U							10 UG/L		U
DIBROMOCHLOROMETHANE				5 UG/L		U							10 UG/L		U
ETHYLBENZENE				5 UG/L		U							10 UG/L		U
ISOBUTYL ALCOHOL				59 UG/L		J									
METHYLENE CHLORIDE	490 UG/L		-										380 UG/L		J
STYRENE				5 UG/L		U							10 UG/L		U
TETRACHLOROETHENE				4 UG/L		J							4 UG/L		J
TOLUENE				6 UG/L		-							5 UG/L		J
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U							10 UG/L		U
TRICHLOROETHENE				3 UG/L		J							4 UG/L		J
TRICHLOROFLUOROMETHANE				2 UG/L		J									
VINYL ACETATE				10 UG/L		UJ									
VINYL CHLORIDE				10 UG/L		U							10 UG/L		U
XYLENES, TOTAL				1 UG/L		J							10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	123006	063934	063934	063934	123007
TASK:	10.03.08	10.03.01	10.03.01	10.03.01	10.03.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1774	1775	1775	1775	1775
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-JUN-93	12-NOV-91	12-NOV-91	12-NOV-91	22-JUN-93
NORTH COORDINATE:	481765.34	481688.37	481688.37	481688.37	481688.37
EAST COORDINATE:	1378912.61	1378835.02	1378835.02	1378835.02	1378835.02
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	DL-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
BROMIDE							1 MG/L		U						
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN							.45 NG/L		U						
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN							.66 NG/L		U						
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN							.93 NG/L		U						
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN							.55 NG/L		U						
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN							.98 NG/L		U						
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN							.44 NG/L		U						
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN							.87 NG/L		U						
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN							.46 NG/L		U						
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN							1.1 NG/L		U						
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN							.61 NG/L		UJ						
1,2,3,7,8-PENTACHLORODIBENZOFURAN							.91 NG/L		U						
1,4-DIOXANE							200 UG/L		R						
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN							1 NG/L		U						
2,3,4,7,8-PENTACHLORODIBENZOFURAN							.99 NG/L		U						
2,3,7,8-TETRACHLORODIBENZO-							.54 NG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	123006			063934			063934			063934			123007		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
2,3,7,8-TETRACHLORODIBENZOFURAN							2.8 NG/L		U						
HEPTACHLORODIBENZO-P-DIOXINS							.45 NG/L		U						
HEPTACHLORODIBENZOFURANS							.77 NG/L		U						
HEXACHLORODIBENZO-P-DIOXINS							.48 NG/L		U						
HEXACHLORODIBENZOFURANS							.99 NG/L		U						
OCTACHLORODIBENZO-P-DIOXIN							1.2 NG/L		UJ						
OCTACHLORODIBENZOFURAN							.58 NG/L		U						
PENTACHLORODIBENZO-P-DIOXINS							.61 NG/L		UJ						
PENTACHLORODIBENZOFURANS							.95 NG/L		U						
TETRACHLORODIBENZO-P-DIOXINS							.99 NG/L		U						
TETRACHLORODIBENZOFURANS							1.2 NG/L		U						
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							255 MG/L		-						
AMMONIA							81.2 MG/L		-						
CHLORIDE							1888 MG/L		-						
NITRATE							7.26 MG/L		-						
PH							7.09 SU		-				10 UG/L		UR
PHOSPHATE							4.97 MG/L		-						
PHOSPHORUS							1 MG/L		U						
SULFATE							1.85 MG/L		-						
SULFIDE							.5 MG/L		U						
TOTAL ORGANIC CARBON							70 MG/L		-						
HERBICIDES															
2,4,5-T				16 UG/L		U	50 UG/L		U				25 UG/L		UR
2,4,5-TP (SILVEX)				15 UG/L		U									
2,4-D				81 UG/L		U	10 UG/L		U				10 UG/L		UR
INORGANICS															
ALUMINUM										1.27 MG/L		J	8 MG/L		-
ANTIMONY										.198 MG/L		J	.0064 MG/L		J
ARSENIC										.0025 MG/L		J	.0131 MG/L		J
BARIUM										.0987 MG/L		-	1.97 MG/L		-
BERYLLIUM										.0103 MG/L		-	.0057 MG/L		-
BORON										1.01 MG/L		J			
CADMIUM										.0298 MG/L		J	.005 MG/L		UJ
CALCIUM										78.6 MG/L		-	102 MG/L		-
CHROMIUM										.241 MG/L		J	.01 MG/L		UJ

SAMPLE NUMBER:	123006			063934			063934			063934			123007		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT										.0521 MG/L		J	.0124 MG/L		-
COPPER										.0663 MG/L		J	.0895 MG/L		-
CYANIDE							.0246 MG/L		J				.0049 MG/L		-
IRON										10.2 MG/L		-	5.18 MG/L		-
LEAD										.002 MG/L		U	.0588 MG/L		-
MAGNESIUM										227 MG/L		-	296 MG/L		-
MANGANESE										44 MG/L		-	41 MG/L		-
MERCURY							.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM										.561 MG/L		J	.434 MG/L		-
NICKEL										.232 MG/L		J	.223 MG/L		-
POTASSIUM										189 MG/L		-	198 MG/L		-
SELENIUM										.002 MG/L		UJ	.0027 MG/L		J
SILICON										15.3 MG/L		-	35.7 MG/L		-
SILVER										.124 MG/L		J	.0749 MG/L		-
SODIUM										778 MG/L		-	774 MG/L		-
THALLIUM										.002 MG/L		UJ	.002 MG/L		UJ
TIN										.2 MG/L		U			
VANADIUM										.11 MG/L		J	.01 MG/L		UR
ZINC										.0089 MG/L		J	.0716 MG/L		-
No sort code listed.															
1,2,3-TRICHLOROPROPANE							10 UG/L		U						
1,2,4,5-TETRACHLOROBENZENE							10 UG/L		UJ						
1,2-DIBROMO-3-CHLOROPROPANE							10 UG/L		U						
1,2-DIBROMOETHANE							10 UG/L		U						
1,3,5-TRINITROBENZENE							10 UG/L		R						
1,3-DINITROBENZENE							10 UG/L		UJ						
1,4-NAPHTHOQUINONE							10 UG/L		R						
1-NAPHTHYLAMINE							120 UG/L		R						
2,3,4,6-TETRACHLOROPHENOL							10 UG/L		UJ						
2,6-DICHLOROPHENOL							10 UG/L		UJ						
2-ACETYLAMINOFLUORENE							10 UG/L		U						
2-CHLORO-1,3-BUTADIENE							10 UG/L		U						
2-NAPHTHYLAMINE							170 UG/L		R						
2-PICOLINE							70 UG/L		UJ						
3,3'-DIMETHYLBENZIDINE							80 UG/L		U						
3-CHLOROPROPENE							10 UG/L		UJ						
3-METHYLCHOLANTHRENE							30 UG/L		U						
3-METHYLPHENOL							10 UG/L		R						
4-AMINOBIPHENYL							50 UG/L		UJ						
4-CHLOROANILINE							10 UG/L		U						
4-NITROQUINOLINE-1-OXIDE							10 UG/L		R						
5-NITRO-O-TOLUIDINE							20 UG/L		R						
7,12-DIMETHYLBENZ(A)ANTHRACENE							20 UG/L		UJ						
A,A-DIMETHYLPHENETHYLAMINE							10 UG/L		UJ						

SAMPLE NUMBER:	123006			063934			063934			063934			123007		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
ACETONITRILE							19 UG/L		J						
ACETOPHENONE							10 UG/L		R						
ACROLEIN							20 UG/L		UJ						
ACROLEIN							20 UG/L		UJ						
ACRYLONITRILE							20 UG/L		R						
ANILINE							50 UG/L		U						
ARAMITE							10 UG/L		UJ						
DIALLATE							10 UG/L		UJ						
DIBROMOMETHANE							10 UG/L		U						
DICHLORODIFLUOROMETHANE							200 UG/L		R						
DINOSEB				5.7 UG/L		U									
DIPHENYLAMINE							10 UG/L		R						
ETHYL CYANIDE							10 UG/L		UJ						
ETHYL METHACRYLATE							10 UG/L		U						
ETHYL METHANESULFONATE							10 UG/L		UJ						
HEXACHLOROPHENE							50 UG/L		UJ						
HEXACHLOROPROPENE							20 UG/L		R						
IODOMETHANE							10 UG/L		U						
ISODRIN				.5 UG/L		U									
ISOSAFROLE							10 UG/L		UJ						
KEPONE				1 UG/L		U	.2 UG/L		R						
METHACRYLONITRILE							10 UG/L		UJ						
METHAPYRILENE							40 UG/L		UJ						
METHYL METHACRYLATE							10 UG/L		U						
METHYL METHANESULFONATE							10 UG/L		R						
N-NITROSODI-N-BUTYLAMINE							20 UG/L		UJ						
N-NITROSODIETHYLAMINE							10 UG/L		UJ						
N-NITROSOMETHYLETHYLAMINE							10 UG/L		UJ						
N-NITROSOMORPHOLINE							10 UG/L		U						
N-NITROSOPIPERIDINE							10 UG/L		UJ						
N-NITROSOPYRROLIDINE							10 UG/L		UJ						
O-TOLUIDINE							10 UG/L		UJ						
P-DIMETHYLAMINOAZOBENZENE							30 UG/L		UJ						
P-PHENYLENEDIAMINE							50 UG/L		UJ						
PENTACHLOROBENZENE							20 UG/L		UJ						
PENTACHLOROETHANE							20 UG/L		UJ						
PENTACHLORONITROBENZENE							20 UG/L		U						
PHENACETIN							10 UG/L		UJ						
PRONAMIDE							30 UG/L		UJ						
SAFROLE							10 UG/L		UJ						
TETRAETHYLPYROPHOSPHATE							15 UG/L		U						
TRANS-1,4-DICHLORO-2-BUTENE							10 UG/L		UJ						
ORGANOPHOSPHORUS PESTICIDES															
DISULFOTON							15 UG/L		U						
METHYL PARATHION							15 UG/L		U						

SAMPLE NUMBER:	123006			063934			063934			063934			123007		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
ORGANOPHOSPHORUS PESTICIDES															
PHORATE							15 UG/L		U						
THIONAZIN							15 UG/L		U						
PESTICIDES															
4,4'-DDD				1 UG/L		U									
4,4'-DDE				1 UG/L		U									
4,4'-DDT				1 UG/L		U									
ALDRIN				.5 UG/L		U									
ALPHA-BHC				.5 UG/L		U									
ALPHA-CHLORDANE				5 UG/L		U									
AROCLOR-1016				5 UG/L		U									
AROCLOR-1221				5 UG/L		U									
AROCLOR-1232				5 UG/L		U									
AROCLOR-1242				5 UG/L		U									
AROCLOR-1248				5 UG/L		U									
AROCLOR-1254				10 UG/L		U									
AROCLOR-1260				10 UG/L		U									
BETA-BHC				.5 UG/L		U									
CHLOROBENZILATE				1 UG/L		U									
DELTA-BHC				.5 UG/L		U									
DIELDRIN				1 UG/L		U									
ENDOSULFAN II				1 UG/L		U									
ENDOSULFAN SULFATE				1 UG/L		U									
ENDOSULFAN-I				.5 UG/L		U									
ENDRIN				1 UG/L		U									
ENDRIN KETONE				1 UG/L		U									
GAMMA-BHC (LINDANE)				.5 UG/L		U									
GAMMA-CHLORDANE				5 UG/L		U									
HEPTACHLOR				.5 UG/L		U	.45 NG/L		U						
HEPTACHLOR EPOXIDE				.5 UG/L		U									
METHOXYCHLOR				5 UG/L		U									
SULFOTEP							10 UG/L		U						
TOXAPHENE				10 UG/L		U									
RADIONUCLIDES															
URANIUM-238	18200 PCI/L	3900	J												
URANIUM, TOTAL	48500 UG/L	6700	-				40800 UG/L	5400	-						
URANIUM-234	17600 PCI/L	3800	J												
THORIUM-230	1040 PCI/L	290	J												
RADIUM-226	201 PCI/L	28	J				5.46 PCI/L	.93	J						
URANIUM-235/236	853 PCI/L	211	J												
THORIUM-232	17 PCI/L	8.8	J												
THORIUM, TOTAL	155 UG/L	80	J												
RADIUM-228	492 PCI/L	168	J				14.8 PCI/L	3.2	R						
THORIUM-228	17.7 PCI/L	9	J												

SAMPLE NUMBER:	123006			063934			063934			063934			123007		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
NEPTUNIUM-237	4.36 PCI/L	1.36	J												
PLUTONIUM-239/240	1.24 PCI/L	.6	U				1 PCI/L		U						
PLUTONIUM-238	.5 PCI/L	.35	UJ				1 PCI/L		U						
STRONTIUM-90	23.6 PCI/L	3.9	-				5 PCI/L		UJ						
TECHNETIUM-99	23.4 PCI/L		UJ				30 PCI/L		U						
RUTHENIUM-106	150 PCI/L		UJ				150 PCI/L		U						
CESIUM-137	17 PCI/L		UJ				20 PCI/L		U						
GROSS ALPHA							17100 PCI/L	1800	NV						
GROSS BETA							14700 PCI/L	1500	NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U				10 UG/L		UJ
1,2-DICHLOROBENZENE							10 UG/L		U				10 UG/L		UJ
1,3-DICHLOROBENZENE							10 UG/L		U				10 UG/L		UJ
1,4-DICHLOROBENZENE							10 UG/L		U				10 UG/L		UJ
2,4,5-TRICHLOROPHENOL							50 UG/L		U				25 UG/L		UR
2,4,6-TRICHLOROPHENOL							10 UG/L		U				10 UG/L		UR
2,4-DICHLOROPHENOL							10 UG/L		U				10 UG/L		UR
2,4-DIMETHYLPHENOL							10 UG/L		U				10 UG/L		UR
2,4-DINITROPHENOL							50 UG/L		U				25 UG/L		UR
2,4-DINITROTOLUENE							10 UG/L		U				10 UG/L		UJ
2,6-DINITROTOLUENE							10 UG/L		U				10 UG/L		UJ
2-BENZYL-4-CHLOROPHENOL													10 UG/L		UNV
2-CHLORONAPHTHALENE							10 UG/L		U				10 UG/L		UJ
2-CHLOROPHENOL							10 UG/L		U				10 UG/L		UR
2-METHYLNAPHTHALENE							6 UG/L		J				1 UG/L		J
2-METHYLPHENOL							10 UG/L		U				10 UG/L		UR
2-NITROANILINE							50 UG/L		U				25 UG/L		UJ
2-NITROPHENOL							10 UG/L		U				10 UG/L		UR
3,3'-DICHLOROBENZIDINE							20 UG/L		U				10 UG/L		UJ
3-NITROANILINE							50 UG/L		UJ				25 UG/L		UJ
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		U				25 UG/L		UR
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U				10 UG/L		UR
4-CHLORO-3-METHYLPHENOL							10 UG/L		U				10 UG/L		UR
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U				10 UG/L		UJ
4-METHYLPHENOL							10 UG/L		U				1 UG/L		J
4-NITROANILINE							50 UG/L		U				25 UG/L		UJ
4-NITROPHENOL							50 UG/L		U				2 UG/L		J
ACENAPHTHENE							12 UG/L		-				4 UG/L		J
ACENAPHTHYLENE							10 UG/L		U				10 UG/L		UJ
ANTHRACENE							17 UG/L		-				10 UG/L		UR
BENZO(A)ANTHRACENE							10 UG/L		U				10 UG/L		UJ
BENZO(A)PYRENE							10 UG/L		U				10 UG/L		UJ
BENZO(B)FLUORANTHENE							10 UG/L		U				10 UG/L		UJ
BENZO(G,H,I)PERYLENE							10 UG/L		U				10 UG/L		UJ
BENZO(K)FLUORANTHENE							10 UG/L		U				10 UG/L		UJ

SAMPLE NUMBER:	123006			063934			063934			063934			123007		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZOIC ACID							50 UG/L		UJ				50 UG/L		UR
BENZYL ALCOHOL							10 UG/L		U				10 UG/L		UJ
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U				10 UG/L		UJ
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U				10 UG/L		UJ
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U				10 UG/L		UJ
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U				10 UG/L		UJ
BUTYL BENZYL PHTHALATE							10 UG/L		U				10 UG/L		UJ
CARBAZOLE							18 UG/L		-				10 UG/L		UR
CHRYSENE							10 UG/L		U				10 UG/L		UJ
DI-N-BUTYL PHTHALATE							10 UG/L		U				10 UG/L		UR
DI-N-OCTYL PHTHALATE							10 UG/L		U				10 UG/L		UJ
DIBENZO(A,H)ANTHRACENE							10 UG/L		U				10 UG/L		UJ
DIBENZOFURAN							10 UG/L		U				2 UG/L		J
DIETHYL PHTHALATE							10 UG/L		U				10 UG/L		UJ
DIMETHYL PHTHALATE							10 UG/L		U				10 UG/L		UJ
FLUORANTHENE							2 UG/L		J				10 UG/L		UR
FLUORENE							9 UG/L		J				4 UG/L		J
HEXACHLOROBENZENE							10 UG/L		U				10 UG/L		UR
HEXACHLOROBUTADIENE							10 UG/L		U				10 UG/L		UJ
HEXACHLOROCYCLOPENTADIENE							10 UG/L		UJ				10 UG/L		UJ
HEXACHLOROETHANE							10 UG/L		U				10 UG/L		UJ
INDENO(1,2,3-CD)PYRENE							10 UG/L		U				10 UG/L		UJ
ISOPHORONE							10 UG/L		UJ				10 UG/L		UJ
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		UJ				10 UG/L		UJ
N-NITROSODIMETHYLAMINE							10 UG/L		U				10 UG/L		UJ
N-NITROSODIPHENYLAMINE							10 UG/L		U				10 UG/L		UR
NAPHTHALENE							16 UG/L		-				4 UG/L		UJ
NITROBENZENE							10 UG/L		U				10 UG/L		UJ
O,O,O-TRIETHYLPHOSPHOROTHIO ATE							15 UG/L		R						
P-CHLOROANILINE													10 UG/L		UJ
PENTACHLOROPHENOL							50 UG/L		U				25 UG/L		UR
PHENANTHRENE							10 UG/L		U				10 UG/L		UR
PHENOL							10 UG/L		U				10 UG/L		UR
PYRENE							10 UG/L		U				10 UG/L		UJ
PYRIDINE							10 UG/L		U						
TRIBUTYL PHOSPHATE							40 UG/L		U						
VOLATILES															
1,1,1,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,1-TRICHLOROETHANE							5 UG/L		-				5 UG/L		J
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U				10 UG/L		U
1,1,2-TRICHLOROETHANE							5 UG/L		U				10 UG/L		U
1,1-DICHLOROETHANE							20 UG/L		-				10 UG/L		-
1,1-DICHLOROETHENE							5 UG/L		U				10 UG/L		U

000395

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SAMPLE NUMBER:	123006			063934			063934			063934			123007		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE							5 UG/L		U				10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)							21 UG/L		-				6 UG/L		UJ
1,2-DICHLOROPROPANE							5 UG/L		U				10 UG/L		U
2-BUTANONE							24 UG/L		-				8 UG/L		J
2-HEXANONE							29 UG/L		-				3 UG/L		J
4-METHYL-2-PENTANONE				46 UG/L		-							25 UG/L		-
ACETONE							22 UG/L		J				15 UG/L		-
BENZENE							5 UG/L		U				10 UG/L		U
BROMODICHLOROMETHANE							5 UG/L		UJ				10 UG/L		U
BROMOFORM							5 UG/L		U				10 UG/L		U
BROMOMETHANE							10 UG/L		U				10 UG/L		U
CARBON DISULFIDE							5 UG/L		U				10 UG/L		U
CARBON TETRACHLORIDE							5 UG/L		U				10 UG/L		U
CHLOROBENZENE							5 UG/L		U				10 UG/L		U
CHLOROETHANE							2 UG/L		J				10 UG/L		U
CHLOROFORM				94 UG/L		-							490 UG/L		J
CHLOROMETHANE							10 UG/L		U				10 UG/L		U
CIS-1,3-DICHLOROPROPENE							5 UG/L		U				10 UG/L		U
DIBROMOCHLOROMETHANE							5 UG/L		U				10 UG/L		U
ETHYLBENZENE							1 UG/L		J				10 UG/L		U
ISOBUTYL ALCOHOL							200 UG/L		UJ						
METHYLENE CHLORIDE							47 UG/L		-				39 UG/L		UJ
STYRENE							5 UG/L		U				10 UG/L		U
TETRACHLOROETHENE							40 UG/L		-				56 UG/L		-
TOLUENE							5 UG/L		U				10 UG/L		U
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U				10 UG/L		U
TRICHLOROETHENE							99 UG/L		-				10 UG/L		-
TRICHLOROFLUOROMETHANE							1 UG/L		J						
VINYL ACETATE							10 UG/L		UJ						
VINYL CHLORIDE							6 UG/L		J				2 UG/L		J
XYLENES, TOTAL							3 UG/L		J				1 UG/L		J

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	123009	063940	063940	063940	123038
TASK:	10.03.08	10.03.01	10.03.01	10.03.01	10.03.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1775	1776	1776	1776	1776
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-JUN-93	14-NOV-91	14-NOV-91	14-NOV-91	24-JUN-93
NORTH COORDINATE:	481688.37	481718.86	481718.86	481718.86	481718.86
EAST COORDINATE:	1378835.02	1378630.15	1378630.15	1378630.15	1378630.15
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	DL-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,4-DIOXANE							200 UG/L		R						
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							3300 MG/L		-						
AMMONIA							798 MG/L		-						
CHLORIDE							.5 MG/L		U						
NITRATE							5.67 MG/L		-						
PH							12.16 SU		-				100 UG/L		U
PHOSPHORUS							.19 MG/L		-						
SULFATE							2 MG/L		U						
SULFIDE							1.48 MG/L		-						
TOTAL ORGANIC CARBON							243 MG/L		-						
HERBICIDES															
2,4,5-T							2 UG/L		U				250 UG/L		U
2,4,5-TP (SILVEX)							1.8 UG/L		U						
2,4-D							10 UG/L		U				100 UG/L		U
INORGANICS															
ALUMINUM										.649 MG/L		J	2.06 MG/L		J
ANTIMONY										.0956 MG/L		J	.0358 MG/L		J
ARSENIC										.0494 MG/L		-	.0554 MG/L		J
BARIUM										2.4 MG/L		J	1.66 MG/L		J
BERYLLIUM										.0037 MG/L		-	.002 MG/L		UJ
BORON										.369 MG/L		J			
CADMIUM										.01 MG/L		U	.005 MG/L		UJ
CALCIUM										2540 MG/L		-	1690 MG/L		J
CHROMIUM										.129 MG/L		J	.0236 MG/L		J
COBALT										.0191 MG/L		J	.01 MG/L		UJ

000397

SAMPLE NUMBER:	123009			063940			063940			063940			123038		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER										.0447 MG/L		J	.0145 MG/L		J
CYANIDE							.0036 MG/L		-				.005 MG/L		-
IRON										.189 MG/L		J	1.38 MG/L		J
LEAD										.01 MG/L		-	.0381 MG/L		J
MAGNESIUM										.782 MG/L		-	1.6 MG/L		J
MANGANESE										.025 MG/L		J	.0557 MG/L		J
MERCURY							.0002 MG/L		UJ				.00028 MG/L		J
MOLYBDENUM										.289 MG/L		J	.44 MG/L		J
NICKEL										.299 MG/L		J	.219 MG/L		J
POTASSIUM										445 MG/L		-	377 MG/L		J
SELENIUM										.002 MG/L		UJ	.01 MG/L		UJ
SILICON										1.35 MG/L		J	5.8 MG/L		J
SILVER										.107 MG/L		J	.01 MG/L		UJ
SODIUM										.1 MG/L		U	1290 MG/L		J
THALLIUM										.002 MG/L		U	.01 MG/L		UR
TIN										.2 MG/L		U			
VANADIUM										.0743 MG/L		J	.01 MG/L		UJ
ZINC										.0156 MG/L		-	.0473 MG/L		J
No sort code listed.															
1,2,3-TRICHLOROPROPANE							10 UG/L		U						
1,2,4,5-TETRACHLOROBENZENE							10 UG/L		U						
1,2-DIBROMO-3-CHLOROPROPANE							10 UG/L		U						
1,2-DIBROMOETHANE							10 UG/L		U						
1,3,5-TRINITROBENZENE							10 UG/L		U						
1,3-DINITROBENZENE							10 UG/L		U						
1,4-NAPHTHOQUINONE							10 UG/L		U						
1-NAPHTHYLAMINE							120 UG/L		U						
2,3,4,6-TETRACHLOROPHENOL							10 UG/L		UJ						
2,6-DICHLOROPHENOL							10 UG/L		UJ						
2-ACETYLAMINOFLUORENE							10 UG/L		U						
2-CHLORO-1,3-BUTADIENE							10 UG/L		U						
2-NAPHTHYLAMINE							170 UG/L		U						
2-PICOLINE							51 UG/L		J						
3,3'-DIMETHYLBENZIDINE							80 UG/L		U						
3-CHLOROPROPENE							43 UG/L		J						
3-METHYLCHOLANTHRENE							30 UG/L		U						
3-METHYLPHENOL							10 UG/L		U						
4-AMINOBIPHENYL							50 UG/L		U						
4-CHLOROANILINE							10 UG/L		U						
4-NITROQUINOLINE-1-OXIDE							10 UG/L		R						
5-NITRO-O-TOLUIDINE							20 UG/L		U						
7,12-DIMETHYLBENZ(A)ANTHRAC ENE							20 UG/L		U						
A,A-DIMETHYLPHENETHYLAMINE							10 UG/L		R						
ACETONITRILE							20 UG/L		UJ						

SAMPLE NUMBER:	123009			063940			063940			063940			123038		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
ACETOPHENONE							4 UG/L		J						
ACROLEIN							80 UG/L		J						
ACROLEIN							80 UG/L		J						
ACRYLONITRILE							64000 UG/L		R						
ANILINE							50 UG/L		U						
ARAMITE							10 UG/L		U						
DIALLATE							10 UG/L		UJ						
DIBROMOMETHANE							10 UG/L		U						
DICHLORODIFLUOROMETHANE							200 UG/L		R						
DINOSEB							.71 UG/L		UJ						
DIPHENYLAMINE							10 UG/L		U						
ETHYL CYANIDE							5600 UG/L		J						
ETHYL METHACRYLATE							10 UG/L		U						
ETHYL METHANESULFONATE							10 UG/L		U						
HEXACHLOROPHENE							50 UG/L		R						
HEXACHLOROPROPENE							20 UG/L		R						
IODOMETHANE							10 UG/L		U						
ISODRIN				1 UG/L		U									
ISOSAFROLE							10 UG/L		U						
KEPONE				2 UG/L		U									
METHACRYLONITRILE							10 UG/L		UJ						
METHAPYRILENE							40 UG/L		UJ						
METHYL METHACRYLATE							11 UG/L		-						
METHYL METHANESULFONATE							10 UG/L		U						
N-NITROSODI-N-BUTYLAMINE							20 UG/L		U						
N-NITROSODIETHYLAMINE							10 UG/L		U						
N-NITROSOMETHYLETHYLAMINE							10 UG/L		U						
N-NITROSOMORPHOLINE							10 UG/L		U						
N-NITROSOPIPERIDINE							10 UG/L		U						
N-NITROSOPYRROLIDINE							10 UG/L		UJ						
O-TOLUIDINE							10 UG/L		U						
P-DIMETHYLAMINOAZOBENZENE							30 UG/L		U						
P-PHENYLENEDIAMINE							50 UG/L		UJ						
PENTACHLOROBENZENE							20 UG/L		U						
PENTACHLOROETHANE							20 UG/L		U						
PENTACHLORONITROBENZENE							20 UG/L		U						
PHENACETIN							10 UG/L		U						
PRONAMIDE							30 UG/L		U						
SAFROLE							10 UG/L		U						
TRANS-1,4-DICHLORO-2-BUTENE							81 UG/L		J						
PESTICIDES															
4,4'-DDD				2 UG/L		U									
4,4'-DDE				2 UG/L		U									
4,4'-DDT				2 UG/L		U									
ALDRIN				1 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	123009			063940			063940			063940			123038		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALPHA-BHC				1 UG/L		U									
ALPHA-CHLORDANE				10 UG/L		U									
AROCLOR-1016				10 UG/L		U									
AROCLOR-1221				10 UG/L		U									
AROCLOR-1232				10 UG/L		U									
AROCLOR-1242				10 UG/L		U									
AROCLOR-1248				10 UG/L		U									
AROCLOR-1254				20 UG/L		U									
AROCLOR-1260				20 UG/L		U									
BETA-BHC				1 UG/L		U									
CHLOROBENZILATE				2 UG/L		U									
DELTA-BHC				1 UG/L		U									
DIELDRIN				2 UG/L		U									
ENDOSULFAN II				2 UG/L		U									
ENDOSULFAN SULFATE				2 UG/L		U									
ENDOSULFAN-I				1 UG/L		U									
ENDRIN				2 UG/L		U									
ENDRIN KETONE				2 UG/L		U									
GAMMA-BHC (LINDANE)				1 UG/L		U									
GAMMA-CHLORDANE				10 UG/L		U									
HEPTACHLOR				1 UG/L		U									
HEPTACHLOR EPOXIDE				1 UG/L		U									
METHOXYCHLOR				10 UG/L		U									
SULFOTEP							10 UG/L		U						
TOXAPHENE				20 UG/L		U									
RADIONUCLIDES															
URANIUM-238	26700 PCI/L	5800	J				8.15 PCI/L	1.28	J				120 PCI/L	26	-
URANIUM, TOTAL	54200 UG/L	7400	J				1 UG/L		U				315 UG/L	44	-
URANIUM-234	9890 PCI/L	2170	J				7.67 PCI/L	1.22	J				110 PCI/L	24	-
THORIUM-230	905 PCI/L	248	J										16.2 PCI/L	3.5	-
RADIUM-226	6.51 PCI/L	3.17	J										129 PCI/L	22	J
URANIUM-235/236	638 PCI/L	171	J				1.43 PCI/L	.41	J				6.08 PCI/L	1.54	-
THORIUM-232	30.4 PCI/L	12.4	J										2.59 PCI/L	.7	-
THORIUM, TOTAL	277 UG/L	113	J										23.6 UG/L	6.4	-
RADIUM-228	100 PCI/L	56	UJ										81 PCI/L	36.1	-
THORIUM-228	30.9 PCI/L	12.5	J										4.71 PCI/L	1.15	-
NEPTUNIUM-237	3.19 PCI/L	1.06	U										.5 PCI/L	0	UJ
PLUTONIUM-239/240	1.59 PCI/L	.67	J										.5 PCI/L	.211	UJ
PLUTONIUM-238	.69 PCI/L	.41	J										.5 PCI/L	.173	UJ
STRONTIUM-90	2.76 PCI/L	.67	J				5 PCI/L		U				1.13 PCI/L	.469	J
TECHNETIUM-99	37.5 PCI/L	16	-				30 PCI/L		UJ				17.2 PCI/L	10	UJ
RUTHENIUM-106	170 PCI/L		UJ				150 PCI/L		UJ				150 PCI/L		UJ
CESIUM-137	17 PCI/L		UJ				20 PCI/L		UJ				17 PCI/L		UJ
GROSS ALPHA							293 PCI/L	123	NV						
GROSS BETA							566 PCI/L	96	NV						

SAMPLE NUMBER:	123009			063940			063940			063940			123038		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U				100 UG/L		U
1,2-DICHLOROBENZENE							10 UG/L		U				100 UG/L		U
1,3-DICHLOROBENZENE							10 UG/L		U				100 UG/L		U
1,4-DICHLOROBENZENE							10 UG/L		U				100 UG/L		U
2,4,5-TRICHLOROPHENOL							50 UG/L		U				250 UG/L		U
2,4,6-TRICHLOROPHENOL							10 UG/L		U				100 UG/L		U
2,4-DICHLOROPHENOL							10 UG/L		U				100 UG/L		U
2,4-DIMETHYLPHENOL							45 UG/L		-				38 UG/L		J
2,4-DINITROPHENOL							50 UG/L		UJ				250 UG/L		U
2,4-DINITROTOLUENE							10 UG/L		U				100 UG/L		U
2,6-DINITROTOLUENE							10 UG/L		U				100 UG/L		U
2-CHLORONAPHTHALENE							10 UG/L		U				100 UG/L		U
2-CHLOROPHENOL							10 UG/L		U				100 UG/L		U
2-METHYLNAPHTHALENE							16 UG/L		-				13 UG/L		J
2-METHYLPHENOL							10 UG/L		U				110 UG/L		-
2-NITROANILINE							50 UG/L		U				250 UG/L		U
2-NITROPHENOL							10 UG/L		U				100 UG/L		U
3,3'-DICHLOROBENZIDINE							20 UG/L		UJ				100 UG/L		U
3-NITROANILINE							50 UG/L		UJ				250 UG/L		UR
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		U				250 UG/L		U
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U				100 UG/L		U
4-CHLORO-3-METHYLPHENOL							10 UG/L		U				100 UG/L		U
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U				100 UG/L		U
4-METHYLPHENOL							140 UG/L		-				100 UG/L		U
4-NITROANILINE							50 UG/L		UJ				250 UG/L		U
4-NITROPHENOL							50 UG/L		UJ				250 UG/L		U
ACENAPHTHENE							10 UG/L		U				100 UG/L		U
ACENAPHTHYLENE							10 UG/L		U				100 UG/L		U
ANTHRACENE							10 UG/L		U				100 UG/L		U
BENZO(A)ANTHRACENE							10 UG/L		U				100 UG/L		U
BENZO(A)PYRENE							10 UG/L		U				100 UG/L		U
BENZO(B)FLUORANTHENE							10 UG/L		U				100 UG/L		U
BENZO(G,H,I)PERYLENE							10 UG/L		U				100 UG/L		U
BENZO(K)FLUORANTHENE							10 UG/L		U				100 UG/L		U
BENZOIC ACID							50 UG/L		UJ						
BENZYL ALCOHOL							10 UG/L		UJ						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U				100 UG/L		U
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U				100 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U				100 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U				100 UG/L		U
BUTYL BENZYL PHTHALATE							10 UG/L		U				100 UG/L		U
CARBAZOLE							10 UG/L		U				100 UG/L		U
CHRYSENE							10 UG/L		U				100 UG/L		U
DI-N-BUTYL PHTHALATE							10 UG/L		U				100 UG/L		U
DI-N-OCTYL PHTHALATE							10 UG/L		U				100 UG/L		U
DIBENZO(A,H)ANTHRACENE							10 UG/L		U				100 UG/L		U

SAMPLE NUMBER:	123009			063940			063940			063940			123038		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIBENZOFURAN							10 UG/L		U				100 UG/L		U
DIETHYL PHTHALATE							10 UG/L		U				100 UG/L		U
DIMETHYL PHTHALATE							10 UG/L		U				100 UG/L		U
FLUORANTHENE							10 UG/L		U				100 UG/L		U
FLUORENE							10 UG/L		U				100 UG/L		U
HEXACHLOROBENZENE							10 UG/L		U				100 UG/L		U
HEXACHLOROBUTADIENE							10 UG/L		U				100 UG/L		U
HEXACHLOROCYCLOPENTADIENE							10 UG/L		UJ				100 UG/L		U
HEXACHLOROETHANE							10 UG/L		U				19 UG/L		J
INDENO(1,2,3-CD)PYRENE							10 UG/L		U				100 UG/L		U
ISOPHORONE							10 UG/L		U				100 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U				100 UG/L		U
N-NITROSODIMETHYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U				100 UG/L		U
NAPHTHALENE							12 UG/L		-				14 UG/L		J
NITROBENZENE							10 UG/L		U				100 UG/L		U
O,O,O-TRIETHYLPHOSPHOROTHIO ATE							10 UG/L		U						
P-CHLOROANILINE													100 UG/L		U
PENTACHLOROPHENOL							50 UG/L		U				250 UG/L		U
PHENANTHRENE							10 UG/L		U				100 UG/L		U
PHENOL							150 UG/L		-				220 UG/L		J
PYRENE							10 UG/L		U				100 UG/L		U
PYRIDINE							10 UG/L		R				-		
TRIBUTYL PHOSPHATE							89 UG/L		-						
VOLATILES															
1,1,1,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,1-TRICHLOROETHANE				840000 UG/L		-							420000 UG/L		J
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U				10000 UG/L		U
1,1,2-TRICHLOROETHANE							5 UG/L		U				10000 UG/L		U
1,1-DICHLOROETHANE				500000 UG/L		-							350000 UG/L		J
1,1-DICHLOROETHENE				8600 UG/L		-							10000 UG/L		U
1,2-DICHLOROETHANE				1100 UG/L		-							10000 UG/L		U
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		U				10000 UG/L		U
1,2-DICHLOROPROPANE							5 UG/L		U				10000 UG/L		U
2-BUTANONE				3500 UG/L		-							10000 UG/L		UJ
2-HEXANONE							89 UG/L		-				10000 UG/L		U
4-METHYL-2-PENTANONE				130 UG/L		J							10000 UG/L		U
ACETONE				3800 UG/L		J							3000 UG/L		J
BENZENE							55 UG/L		-				10000 UG/L		U
BROMODICHLOROMETHANE							5 UG/L		UJ				10000 UG/L		U
BROMOFORM							5 UG/L		U				10000 UG/L		U
BROMOMETHANE							10 UG/L		UJ				10000 UG/L		U
CARBON DISULFIDE							5 UG/L		U				10000 UG/L		U
CARBON TETRACHLORIDE							5 UG/L		U				10000 UG/L		U

SAMPLE NUMBER:	123009			063940			063940			063940			123038		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROBENZENE							5 UG/L		U				10000 UG/L		U
CHLOROETHANE				1700 UG/L		-							10000 UG/L		U
CHLOROFORM							100 UG/L		-				10000 UG/L		U
CHLOROMETHANE							10 UG/L		UJ				10000 UG/L		UJ
CIS-1,3-DICHLOROPROPENE							1 UG/L		J				10000 UG/L		U
DIBROMOCHLOROMETHANE							5 UG/L		U				10000 UG/L		U
ETHYLBENZENE							22 UG/L		-				10000 UG/L		U
ISOBUTYL ALCOHOL							2100 UG/L		J						
METHYLENE CHLORIDE							200 UG/L		-				10000 UG/L		U
STYRENE							5 UG/L		U				10000 UG/L		U
TETRACHLOROETHENE							2 UG/L		J				10000 UG/L		U
TOLUENE				180 UG/L		J							10000 UG/L		U
TRANS-1,3-DICHLOROPROPENE				500 UG/L		U							10000 UG/L		UJ
TRICHLOROETHENE							120 UG/L		-				10000 UG/L		U
TRICHLOROFLUOROMETHANE							10 UG/L		UJ						
VINYL ACETATE							10 UG/L		UJ				10000 UG/L		U
VINYL CHLORIDE				1000 UG/L		U							10000 UG/L		U
XYLENES, TOTAL							130 UG/L		-				10000 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	123044			123044			063943			063943			063943		
TASK:	10.03.08			10.03.08			10.03.01			10.03.01			10.03.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1776			1776			1777			1777			1777		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	24-JUN-93			24-JUN-93			15-NOV-91			15-NOV-91			15-NOV-91		
NORTH COORDINATE:	481718.86			481718.86			481777.74			481777.74			481777.74		
EAST COORDINATE:	1378630.15			1378630.15			1378656.58			1378656.58			1378656.58		
QA TYPE:	DUPLICATE			DUPLICATE			NORMAL			NORMAL			NORMAL		
QC OF:	123038			123038											
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
BROMIDE										1 MG/L		U			
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN										3.3 NG/L		J			
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN										.26 NG/L		U			
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN										.37 NG/L		U			
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN										.86 NG/L		U			
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN										.69 NG/L		U			
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN										.68 NG/L		U			
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN										.61 NG/L		U			
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN										.71 NG/L		U			
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN										.8 NG/L		U			
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN										1.2 NG/L		UJ			
1,2,3,7,8-PENTACHLORODIBENZOFURAN										.43 NG/L		U			
1,4-DIOXANE										1000 UG/L		J			
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN										.72 NG/L		U			
2,3,4,7,8-PENTACHLORODIBENZOFURAN										.47 NG/L		U			
2,3,7,8-TETRACHLORODIBENZO-										.89 NG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	123044			123044			063943			063943			063943		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
2,3,7,8-TETRACHLORODIBENZOFURAN										.66 NG/L		U			
HEPTACHLORODIBENZO-P-DIOXINS										.72 NG/L		U			
HEPTACHLORODIBENZOFURANS										.31 NG/L		U			
HEXACHLORODIBENZO-P-DIOXINS										.74 NG/L		U			
HEXACHLORODIBENZOFURANS										.7 NG/L		U			
OCTACHLORODIBENZO-P-DIOXIN										1.8 NG/L		U			
OCTACHLORODIBENZOFURAN										1.1 NG/L		U			
PENTACHLORODIBENZO-P-DIOXINS										1.3 NG/L		UJ			
PENTACHLORODIBENZOFURANS										.45 NG/L		U			
TETRACHLORODIBENZO-P-DIOXINS										1.2 NG/L		U			
TETRACHLORODIBENZOFURANS										.51 NG/L		UJ			
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										532 MG/L		-			
AMMONIA										80.7 MG/L		-			
CHLORIDE										1102 MG/L		-			
FLUORIDE										19.3 MG/L		-			
NITRATE										.4 MG/L		U			
PH				100 UG/L		U				9.29 SU		-			
PHOSPHATE										1 MG/L		U			
SULFATE										160.2 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON										15.1 MG/L		-			
HERBICIDES															
2,4,5-T				250 UG/L		U				2 UG/L		U			
2,4,5-TP (SILVEX)										1.8 UG/L		U			
2,4-D				100 UG/L		U				10 UG/L		U			
INORGANICS															
ALUMINUM				1.79 MG/L		J							8.51 MG/L		J
ANTIMONY				.025 MG/L		UJ							.103 MG/L		J
ARSENIC				.0401 MG/L		J							.0411 MG/L		J
BARIUM				1.44 MG/L		-							.148 MG/L		J
BERYLLIUM				.002 MG/L		U							.002 MG/L		J
BORON													2.12 MG/L		J
CADMIUM				.005 MG/L		U							.0199 MG/L		J
CALCIUM				1190 MG/L		J							91.6 MG/L		J
CHROMIUM				.0257 MG/L		-							.0669 MG/L		-

000365

6417

SAMPLE NUMBER:	123044			123044			063943			063943			063943		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT				.01 MG/L		U							.0377 MG/L		J
COPPER				.0148 MG/L		-							.118 MG/L		J
CYANIDE				.0051 MG/L		-				.002 MG/L		UJ			
IRON				1.21 MG/L		-							8.51 MG/L		J
LEAD				.0297 MG/L		J							.0981 MG/L		-
MAGNESIUM				1.35 MG/L		-							139 MG/L		-
MANGANESE				.0477 MG/L		-							2.96 MG/L		-
MERCURY				.00028 MG/L		J				.00032 MG/L		J			
MOLYBDENUM				.558 MG/L		J							1.05 MG/L		J
NICKEL				.178 MG/L		J							.124 MG/L		J
POTASSIUM				353 MG/L		-							224 MG/L		-
SELENIUM				.002 MG/L		UJ							.0038 MG/L		-
SILICON				6.72 MG/L		-							19.8 MG/L		J
SILVER				.01 MG/L		U							.0321 MG/L		J
SODIUM				1090 MG/L		-							699 MG/L		-
THALLIUM				.01 MG/L		UR							.002 MG/L		UJ
TIN													.2 MG/L		U
VANADIUM				.01 MG/L		U							.0677 MG/L		J
ZINC				.0574 MG/L		-							.253 MG/L		-
No sort code listed.															
1,2,3-TRICHLOROPROPANE										10 UG/L		U			
1,2,4,5-TETRACHLOROBENZENE										40 UG/L		U			
1,2-DIBROMO-3-CHLOROPROPANE										10 UG/L		U			
1,2-DIBROMOETHANE										10 UG/L		U			
1,3,5-TRINITROBENZENE										40 UG/L		UJ			
1,3-DINITROBENZENE										40 UG/L		U			
1,4-NAPHTHOQUINONE										40 UG/L		UJ			
1-NAPHTHYLAMINE										480 UG/L		U			
2,3,4,6-TETRACHLOROPHENOL										40 UG/L		U			
2,6-DICHLOROPHENOL										40 UG/L		UJ			
2-ACETYLAMINOFLUORENE										40 UG/L		U			
2-CHLORO-1,3-BUTADIENE										10 UG/L		U			
2-NAPHTHYLAMINE										680 UG/L		U			
2-PICOLINE										280 UG/L		U			
3,3'-DIMETHYLBENZIDINE										320 UG/L		U			
3-CHLOROPROPENE										10 UG/L		UJ			
3-METHYLCHOLANTHRENE										120 UG/L		U			
3-METHYLPHENOL										40 UG/L		U			
4-AMINOBIPHENYL										200 UG/L		U			
4-CHLOROANILINE										40 UG/L		U			
4-NITROQUINOLINE-1-OXIDE										40 UG/L		R			
5-NITRO-O-TOLUIDINE										80 UG/L		U			
7,12-DIMETHYLBENZ(A)ANTHRAC ENE										80 UG/L		U			
A,A-DIMETHYLPHENETHYLAMINE										40 UG/L		UJ			

SAMPLE NUMBER:	123044			123044			063943			063943			063943		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
No sort code listed.															
ACETONITRILE										130 UG/L		J			
ACETOPHENONE										40 UG/L		U			
ACROLEIN										20 UG/L		UJ			
ACROLEIN										20 UG/L		UJ			
ACRYLONITRILE										20 UG/L		R			
ANILINE										200 UG/L		U			
ARAMITE										40 UG/L		UJ			
DIALLATE										40 UG/L		R			
DIBROMOMETHANE										10 UG/L		U			
DICHLORODIFLUOROMETHANE										200 UG/L		R			
DINOSEB										.7 UG/L		UJ			
DIPHENYLAMINE										40 UG/L		U			
ETHYL CYANIDE										8 UG/L		J			
ETHYL METHACRYLATE										10 UG/L		U			
ETHYL METHANESULFONATE										40 UG/L		U			
HEXACHLOROPHENE										200 UG/L		UJ			
HEXACHLOROPROPENE										80 UG/L		UJ			
IODOMETHANE										10 UG/L		U			
ISODRIN										.05 UG/L		U			
ISOSAFROLE										40 UG/L		U			
KEPONE										.1 UG/L		U			
METHACRYLONITRILE										10 UG/L		U			
METHAPYRILENE										160 UG/L		UJ			
METHYL METHACRYLATE										10 UG/L		U			
METHYL METHANESULFONATE										40 UG/L		UJ			
N-NITROSODI-N-BUTYLAMINE										80 UG/L		R			
N-NITROSODIETHYLAMINE										40 UG/L		UJ			
N-NITROSOMETHYLETHYLAMINE										40 UG/L		U			
N-NITROSOMORPHOLINE										40 UG/L		UJ			
N-NITROSOPIPERIDINE										40 UG/L		UJ			
N-NITROSOPYRROLIDINE										40 UG/L		UJ			
O-TOLUIDINE										40 UG/L		U			
P-DIMETHYLAMINOAZOBENZENE										120 UG/L		UJ			
P-PHENYLENEDIAMINE										200 UG/L		UJ			
PENTACHLOROBENZENE										80 UG/L		U			
PENTACHLOROETHANE										80 UG/L		U			
PENTACHLORONITROBENZENE										80 UG/L		U			
PHENACETIN										40 UG/L		U			
PRONAMIDE										120 UG/L		U			
SAFROLE										40 UG/L		UJ			
TRANS-1,4-DICHLORO-2-BUTENE										10 UG/L		UJ			
PESTICIDES															
4,4'-DDD										.1 UG/L		U			
4,4'-DDE										.1 UG/L		U			
4,4'-DDT										.1 UG/L		U			

000402

SAMPLE NUMBER:	123044			123044			063943			063943			063943		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALDRIN										.05 UG/L		U			
ALPHA-BHC										.05 UG/L		U			
ALPHA-CHLORDANE										.5 UG/L		U			
AROCLOR-1016										.5 UG/L		U			
AROCLOR-1221										.5 UG/L		U			
AROCLOR-1232										.5 UG/L		U			
AROCLOR-1242										.5 UG/L		U			
AROCLOR-1248										.5 UG/L		U			
AROCLOR-1254										1 UG/L		U			
AROCLOR-1260										1 UG/L		U			
BETA-BHC										.05 UG/L		U			
CHLOROBENZILATE										.1 UG/L		U			
DELTA-BHC										.05 UG/L		U			
DIELDRIN										.1 UG/L		U			
ENDOSULFAN II										.1 UG/L		U			
ENDOSULFAN SULFATE										.1 UG/L		U			
ENDOSULFAN-I										.05 UG/L		U			
ENDRIN										.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)										.05 UG/L		U			
GAMMA-CHLORDANE										.5 UG/L		U			
HEPTACHLOR										.05 UG/L		U			
HEPTACHLOR EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.5 UG/L		U			
SULFOTEP										40 UG/L		U			
TOXAPHENE										1 UG/L		U			
RADIONUCLIDES															
URANIUM-238				78 PCI/L	16.7	-				984 PCI/L	118	-			
URANIUM, TOTAL				354 UG/L	49	-				2870 UG/L	380	-			
URANIUM-234				73.8 PCI/L	16.7	-				900 PCI/L	109	-			
THORIUM-230				18.1 PCI/L	4.1	-									
RADIUM-226				122 PCI/L	17	J				72.5 PCI/L	10.4	J			
URANIUM-235/236				4.56 PCI/L	1.17	-				65.1 PCI/L	13.5	-			
THORIUM-232				2.31 PCI/L	.67	-									
THORIUM, TOTAL				21 UG/L	6.1	-									
RADIUM-228				57.7 PCI/L	21.2	-				3 PCI/L		R			
THORIUM-228				3.69 PCI/L	.99	-									
NEPTUNIUM-237				.617 PCI/L	.321	J									
PLUTONIUM-239/240				.5 PCI/L	.119	UJ				1 PCI/L		U			
PLUTONIUM-238				.5 PCI/L	.103	UJ				1 PCI/L		U			
STRONTIUM-90				1.95 PCI/L	.508	J				5 PCI/L		U			
TECHNETIUM-99				17.5 PCI/L	10.2	UJ				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		UJ				150 PCI/L		U			
CESIUM-137				17 PCI/L		UJ				20 PCI/L		U			
GROSS ALPHA										3408 PCI/L	391	NV			

SAMPLE NUMBER:	123044			123044			063943			063943			063943		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
GROSS BETA										1582 PCI/L	167	NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				100 UG/L		UJ				40 UG/L		U			
1,2-DICHLOROBENZENE				100 UG/L		U				40 UG/L		U			
1,3-DICHLOROBENZENE				100 UG/L		U				40 UG/L		U			
1,4-DICHLOROBENZENE				100 UG/L		U				40 UG/L		U			
2,4,5-TRICHLOROPHENOL				250 UG/L		U				200 UG/L		U			
2,4,6-TRICHLOROPHENOL				100 UG/L		U				40 UG/L		U			
2,4-DICHLOROPHENOL				100 UG/L		U				40 UG/L		U			
2,4-DIMETHYLPHENOL				33 UG/L		J				40 UG/L		U			
2,4-DINITROPHENOL				250 UG/L		UJ				200 UG/L		U			
2,4-DINITROTOLUENE				100 UG/L		U				40 UG/L		U			
2,6-DINITROTOLUENE				100 UG/L		U				40 UG/L		U			
2-CHLORONAPHTHALENE				100 UG/L		U				40 UG/L		U			
2-CHLOROPHENOL				100 UG/L		U				40 UG/L		U			
2-METHYLNAPHTHALENE				100 UG/L		UJ				40 UG/L		U			
2-METHYLPHENOL				100 UG/L		U				40 UG/L		U			
2-NITROANILINE				250 UG/L		UJ				200 UG/L		U			
2-NITROPHENOL				100 UG/L		U				40 UG/L		U			
3,3'-DICHLOROBENZIDINE				100 UG/L		U				80 UG/L		U			
3-NITROANILINE				250 UG/L		UJ				200 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL				250 UG/L		U				200 UG/L		U			
4-BROMOPHENYL PHENYL ETHER				100 UG/L		U				40 UG/L		U			
4-CHLORO-3-METHYLPHENOL				100 UG/L		U				40 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER				100 UG/L		U				40 UG/L		U			
4-METHYLPHENOL				96 UG/L		J				40 UG/L		UJ			
4-NITROANILINE				250 UG/L		U				200 UG/L		U			
4-NITROPHENOL				250 UG/L		U				200 UG/L		U			
ACENAPHTHENE				100 UG/L		U				40 UG/L		U			
ACENAPHTHYLENE				100 UG/L		U				40 UG/L		U			
ANTHRACENE				100 UG/L		U				40 UG/L		U			
BENZO(A)ANTHRACENE				100 UG/L		U				40 UG/L		U			
BENZO(A)PYRENE				100 UG/L		U				40 UG/L		U			
BENZO(B)FLUORANTHENE				100 UG/L		U				40 UG/L		U			
BENZO(G,H,I)PERYLENE				100 UG/L		U				40 UG/L		U			
BENZO(K)FLUORANTHENE				100 UG/L		U				40 UG/L		U			
BENZOIC ACID										200 UG/L		UJ			
BENZYL ALCOHOL										40 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE				100 UG/L		U				40 UG/L		U			
BIS(2-CHLOROETHYL)ETHER				100 UG/L		UJ				40 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER				100 UG/L		UJ				40 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE				100 UG/L		U				40 UG/L		U			
BUTYL BENZYL PHTHALATE				100 UG/L		U				40 UG/L		U			
CARBAZOLE				100 UG/L		U									

SAMPLE NUMBER:	123044			123044			063943			063943			063943		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
CHRYSENE				100 UG/L		U				40 UG/L		U			
DI-N-BUTYL PHTHALATE				100 UG/L		U				40 UG/L		U			
DI-N-OCTYL PHTHALATE				100 UG/L		U				40 UG/L		U			
DIBENZO(A,H)ANTHRACENE				100 UG/L		U				40 UG/L		U			
DIBENZOFURAN				100 UG/L		U				40 UG/L		U			
DIETHYL PHTHALATE				100 UG/L		U				40 UG/L		U			
DIMETHYL PHTHALATE				100 UG/L		U				40 UG/L		U			
FLUORANTHENE				100 UG/L		U				40 UG/L		U			
FLUORENE				100 UG/L		U				40 UG/L		U			
HEXACHLOROBENZENE				100 UG/L		U				40 UG/L		U			
HEXACHLOROBUTADIENE				100 UG/L		UJ				40 UG/L		U			
HEXACHLOROCYCLOPENTADIENE				100 UG/L		U				40 UG/L		U			
HEXACHLOROETHANE				100 UG/L		U				40 UG/L		U			
INDENO(1,2,3-CD)PYRENE				100 UG/L		U				40 UG/L		U			
ISOPHORONE				100 UG/L		U				40 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE				100 UG/L		UJ				40 UG/L		UJ			
N-NITROSODIMETHYLAMINE										40 UG/L		U			
N-NITROSODIPHENYLAMINE				100 UG/L		U				40 UG/L		U			
NAPHTHALENE				16 UG/L		J				40 UG/L		U			
NITROBENZENE				100 UG/L		U				40 UG/L		U			
O,O,O-TRIETHYLPHOSPHOROTHIO ATE										40 UG/L		UJ			
P-CHLOROANILINE				100 UG/L		U									
PENTACHLOROPHENOL				250 UG/L		U				200 UG/L		U			
PHENANTHRENE				100 UG/L		U				40 UG/L		U			
PHENOL				220 UG/L		J				40 UG/L		U			
PYRENE				100 UG/L		U				40 UG/L		U			
PYRIDINE										40 UG/L		U			
TRIBUTYL PHOSPHATE										130 UG/L		-			
VOLATILES															
1,1,1,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,1-TRICHLOROETHANE				260000 UG/L		J				37 UG/L		-			
1,1,2,2-TETRACHLOROETHANE				2000 UG/L		U				5 UG/L		U			
1,1,2-TRICHLOROETHANE				2000 UG/L		U				1 UG/L		J			
1,1-DICHLOROETHANE	310000 UG/L		U				640 UG/L		-						
1,1-DICHLOROETHENE				12000 UG/L		-				3 UG/L		J			
1,2-DICHLOROETHANE				630 UG/L		J				16 UG/L		-			
1,2-DICHLOROETHENE (TOTAL)				2000 UG/L		U				1 UG/L		J			
1,2-DICHLOROPROPANE				2000 UG/L		U				5 UG/L		U			
2-BUTANONE				2100 UG/L		J				4 UG/L		J			
2-HEXANONE				2000 UG/L		U				10 UG/L		U			
4-METHYL-2-PENTANONE				2000 UG/L		U				6 UG/L		U			
ACETONE				1700 UG/L		J				28 UG/L		UJ			
BENZENE				2000 UG/L		U				1 UG/L		J			
BROMODICHLOROMETHANE				2000 UG/L		U				5 UG/L		UJ			

SAMPLE NUMBER:	123044			123044			063943			063943			063943		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			DL-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOFORM				2000 UG/L		U				5 UG/L		J			
BROMOMETHANE				2000 UG/L		U				10 UG/L		U			
CARBON DISULFIDE				2000 UG/L		U				5 UG/L		U			
CARBON TETRACHLORIDE				2000 UG/L		U				5 UG/L		U			
CHLOROBENZENE				2000 UG/L		U				5 UG/L		U			
CHLOROETHANE				1400 UG/L		J				7 UG/L		U			
CHLOROFORM				2000 UG/L		U				5 UG/L		U			
CHLOROMETHANE				2000 UG/L		U				10 UG/L		U			
CIS-1,3-DICHLOROPROPENE				2000 UG/L		U				5 UG/L		U			
DIBROMOCHLOROMETHANE				2000 UG/L		U				5 UG/L		U			
ETHYLBENZENE				2000 UG/L		U				4 UG/L		J			
ISOBUTYL ALCOHOL										200 UG/L		U			
METHYLENE CHLORIDE				2000 UG/L		U				5 UG/L		U			
STYRENE				2000 UG/L		U				5 UG/L		U			
TETRACHLOROETHENE				2000 UG/L		U				5 UG/L		U			
TOLUENE				2000 UG/L		U				3 UG/L		J			
TRANS-1,3-DICHLOROPROPENE				2000 UG/L		U				5 UG/L		U			
TRICHLOROETHENE				2000 UG/L		U				5 UG/L		U			
TRICHLOROFLUOROMETHANE										10 UG/L		U			
VINYL ACETATE				2000 UG/L		U				10 UG/L		UJ			
VINYL CHLORIDE				2000 UG/L		U				14 UG/L		U			
XYLENES, TOTAL				2000 UG/L		U				16 UG/L		-			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	123041	123041	062411	062411	062411
TASK:	10.03.08	10.03.08	04.30	04.30	04.30
LAB:	IT	IT	IT/MWL	IT/MWL	IT/RSL
WELL OR BORING NUMBER:	1777	1777	1778	1778	1778
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-JUN-93	24-JUN-93	04-FEB-93	04-FEB-93	04-FEB-93
NORTH COORDINATE:	481777.74	481777.74	480305.19	480305.19	480305.19
EAST COORDINATE:	1378656.58	1378656.58	1381672.31	1381672.31	1381672.31
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-FIL	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM				.527 MG/L		J	.286 MG/L		-						
ANTIMONY				.0053 MG/L		UJ	.005 MG/L		UJ						
ARSENIC				.0485 MG/L		J	.002 MG/L		UJ						
BARIUM				.0539 MG/L		J	.174 MG/L		-						
BERYLLIUM				.002 MG/L		UJ	.002 MG/L		U						
CADMIUM				.005 MG/L		UJ	.005 MG/L		U						
CALCIUM				15.8 MG/L		UJ	162 MG/L		-						
CHROMIUM				.01 MG/L		UJ	.01 MG/L		U						
COBALT				.01 MG/L		UJ	.01 MG/L		U						
COPPER				.0125 MG/L		J	.01 MG/L		U						
CYANIDE				.002 MG/L		U				.0056 MG/L		J			
IRON				.741 MG/L		J	.02 MG/L		U						
LEAD				.0092 MG/L		UJ	.002 MG/L		U						
MAGNESIUM				15.2 MG/L		J	54.8 MG/L		-						
MANGANESE				.134 MG/L		J	.0867 MG/L		-						
MERCURY				.0002 MG/L		UJ	.0002 MG/L		U						
MOLYBDENUM				1.12 MG/L		J	.02 MG/L		U						
NICKEL				.0251 MG/L		J	.02 MG/L		U						
POTASSIUM				153 MG/L		J	5.86 MG/L		-						
SELENIUM				.002 MG/L		UJ	.002 MG/L		UJ						
SILICON				3.41 MG/L		J	7.3 MG/L		-						
SILVER				.01 MG/L		UJ	.01 MG/L		U						
SODIUM				506 MG/L		J	34.9 MG/L		-						
THALLIUM				.002 MG/L		UR	.002 MG/L		U						
VANADIUM				.01 MG/L		UJ	.01 MG/L		U						
ZINC				.069 MG/L		J	.108 MG/L		-						
PESTICIDES															
4,4'-DDD										.1 UG/L		U			
4,4'-DDE										.1 UG/L		U			
4,4'-DDT										.1 UG/L		U			

SAMPLE NUMBER:	123041			123041			062411			062411			062411		
LAB:	IT			IT			IT/MWL			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALDRIN										.05 UG/L		U			
ALPHA-BHC										.05 UG/L		U			
ALPHA-CHLORDANE										.5 UG/L		U			
AROCLOR-1016										.5 UG/L		U			
AROCLOR-1221										.5 UG/L		U			
AROCLOR-1232										.5 UG/L		U			
AROCLOR-1242										.5 UG/L		U			
AROCLOR-1248										.5 UG/L		U			
AROCLOR-1254										1 UG/L		U			
AROCLOR-1260										1 UG/L		U			
BETA-BHC										.05 UG/L		U			
DELTA-BHC										.05 UG/L		U			
DIELDRIN										.1 UG/L		U			
ENDOSULFAN II										.1 UG/L		U			
ENDOSULFAN SULFATE										.1 UG/L		U			
ENDOSULFAN-I										.05 UG/L		U			
ENDRIN										.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)										.05 UG/L		U			
GAMMA-CHLORDANE										.5 UG/L		U			
HEPTACHLOR										.05 UG/L		U			
HEPTACHLOR EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.5 UG/L		U			
TOXAPHENE										1 UG/L		U			
RADIONUCLIDES															
URANIUM-238				326 PCI/L	68	J									
URANIUM, TOTAL				948 UG/L	130	-							1588 UG/L	162	NV
URANIUM-234				319 PCI/L	6.7	J									
THORIUM-230				44.6 PCI/L	10	-									
RADIUM-226				2.47 PCI/L	.49	J							1 PCI/L		UNV
URANIUM-235/236				16.8 PCI/L	4.5	J									
THORIUM-232				.33 PCI/L	.211	J									
THORIUM, TOTAL				3 UG/L	1.93	J									
RADIUM-228				3 PCI/L	.97	UJ							3 PCI/L		UNV
THORIUM-228				.31 PCI/L	.224	UJ									
NEPTUNIUM-237				.5 PCI/L	.278	UJ							1 PCI/L		UNV
PLUTONIUM-239/240				.5 PCI/L	.126	UJ							1 PCI/L	0	UNV
PLUTONIUM-238				.5 PCI/L	.0719	UJ							1 PCI/L	0	UNV
STRONTIUM-90				1 PCI/L		UJ							5 PCI/L		UNV
TECHNETIUM-99				16.7 PCI/L	9.41	UJ							30 PCI/L		UNV
RUTHENIUM-106				150 PCI/L		UJ							150 PCI/L		UNV
CESIUM-137				15 PCI/L		UJ							20 PCI/L		UNV
GROSS ALPHA													1150 PCI/L	130	NV
GROSS BETA													559 PCI/L	59	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SEMIVOLATILES

1,2,4-TRICHLOROBENZENE 50 UG/L UJ 10 UG/L U
10/02/94

SAMPLE NUMBER:	123041			123041			062411			062411			062411		
LAB:	IT			IT			IT/MWL			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2-DICHLOROBENZENE				50 UG/L		U				10 UG/L		U			
1,3-DICHLOROBENZENE				50 UG/L		U				10 UG/L		U			
1,4-DICHLOROBENZENE				50 UG/L		U				10 UG/L		U			
2,4,5-TRICHLOROPHENOL				120 UG/L		U				50 UG/L		U			
2,4,6-TRICHLOROPHENOL				50 UG/L		U				10 UG/L		U			
2,4-DICHLOROPHENOL				50 UG/L		U				10 UG/L		U			
2,4-DIMETHYLPHENOL				50 UG/L		U				10 UG/L		U			
2,4-DINITROPHENOL				120 UG/L		UJ				50 UG/L		U			
2,4-DINITROTOLUENE				50 UG/L		U				10 UG/L		U			
2,6-DINITROTOLUENE				50 UG/L		U				10 UG/L		U			
2-CHLORONAPHTHALENE				50 UG/L		U				10 UG/L		U			
2-CHLOROPHENOL				50 UG/L		U				10 UG/L		U			
2-METHYLNAPHTHALENE				50 UG/L		UJ				10 UG/L		U			
2-METHYLPHENOL				50 UG/L		U				10 UG/L		U			
2-NITROANILINE				120 UG/L		UJ				50 UG/L		U			
2-NITROPHENOL				50 UG/L		U				10 UG/L		U			
3,3'-DICHLOROBENZIDINE				50 UG/L		U				20 UG/L		U			
3-NITROANILINE				120 UG/L		UJ				50 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL				120 UG/L		U				50 UG/L		U			
4-BROMOPHENYL PHENYL ETHER				50 UG/L		U				10 UG/L		U			
4-CHLORO-3-METHYLPHENOL				50 UG/L		U				10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER				50 UG/L		U				10 UG/L		U			
4-METHYLPHENOL				50 UG/L		U				10 UG/L		U			
4-NITROANILINE				120 UG/L		U				50 UG/L		U			
4-NITROPHENOL				120 UG/L		U				50 UG/L		U			
ACENAPHTHENE				50 UG/L		U				10 UG/L		U			
ACENAPHTHYLENE				50 UG/L		U				10 UG/L		U			
ANTHRACENE				50 UG/L		U				10 UG/L		U			
BENZO(A)ANTHRACENE				50 UG/L		U				10 UG/L		U			
BENZO(A)PYRENE				50 UG/L		U				10 UG/L		U			
BENZO(B)FLUORANTHENE				50 UG/L		U				10 UG/L		U			
BENZO(G,H,I)PERYLENE				50 UG/L		U				10 UG/L		U			
BENZO(K)FLUORANTHENE				50 UG/L		U				10 UG/L		U			
BENZOIC ACID										50 UG/L		U			
BENZYL ALCOHOL										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE				50 UG/L		U				10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER				50 UG/L		UJ				10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER				50 UG/L		UJ				10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE				50 UG/L		U				10 UG/L		U			
BUTYL BENZYL PHTHALATE				50 UG/L		U				10 UG/L		U			
CARBAZOLE				50 UG/L		U									
CHRYSENE				50 UG/L		U				10 UG/L		U			

SAMPLE NUMBER:	123041			123041			062411			062411			062411		
LAB:	IT			IT			IT/MWL			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DI-N-BUTYL PHTHALATE				50 UG/L		U				10 UG/L		U			
DI-N-OCTYL PHTHALATE				50 UG/L		U				10 UG/L		U			
DIBENZO(A,H)ANTHRACENE				50 UG/L		U				10 UG/L		U			
DIBENZOFURAN				50 UG/L		U				10 UG/L		U			
DIETHYL PHTHALATE				50 UG/L		U				10 UG/L		U			
DIMETHYL PHTHALATE				50 UG/L		U				10 UG/L		U			
FLUORANTHENE				50 UG/L		U				10 UG/L		U			
FLUORENE				50 UG/L		U				10 UG/L		U			
HEXACHLOROBENZENE				50 UG/L		U				10 UG/L		U			
HEXACHLOROBUTADIENE				50 UG/L		UJ				10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE				50 UG/L		U				10 UG/L		U			
HEXACHLOROETHANE				50 UG/L		U				10 UG/L		U			
INDENO(1,2,3-CD)PYRENE				50 UG/L		U				10 UG/L		U			
ISOPHORONE				50 UG/L		U				10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE				50 UG/L		UJ				10 UG/L		U			
N-NITROSODIPHENYLAMINE				50 UG/L		U				10 UG/L		U			
NAPHTHALENE				50 UG/L		U				10 UG/L		U			
NITROBENZENE				50 UG/L		U				10 UG/L		U			
P-CHLOROANILINE				50 UG/L		U				10 UG/L		U			
PENTACHLOROPHENOL				120 UG/L		U				50 UG/L		U			
PHENANTHRENE				50 UG/L		U				10 UG/L		U			
PHENOL				50 UG/L		UJ				10 UG/L		U			
PYRENE				50 UG/L		U				10 UG/L		U			
TRIBUTYL PHOSPHATE										10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U				10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U				10 UG/L		U			
1,1,2-TRICHLOROETHANE				10 UG/L		U				10 UG/L		U			
1,1-DICHLOROETHANE	300 UG/L		U							97 UG/L		-			
1,1-DICHLOROETHENE				10 UG/L		U				10 UG/L		U			
1,2-DICHLOROETHANE				12 UG/L		-				10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U				10 UG/L		U			
1,2-DICHLOROPROPANE				10 UG/L		U				10 UG/L		U			
2-BUTANONE				10 UG/L		UJ				10 UG/L		UJ			
2-HEXANONE				5 UG/L		J				10 UG/L		UJ			
4-METHYL-2-PENTANONE				2 UG/L		J				10 UG/L		UJ			
ACETONE				8 UG/L		J				10 UG/L		UJ			
BENZENE				10 UG/L		U				10 UG/L		U			
BROMODICHLOROMETHANE				10 UG/L		U				10 UG/L		U			
BROMOFORM				10 UG/L		U				10 UG/L		U			
BROMOMETHANE				10 UG/L		U				10 UG/L		U			
CARBON DISULFIDE				10 UG/L		U				10 UG/L		U			
CARBON TETRACHLORIDE				10 UG/L		U				10 UG/L		U			
CHLOROBENZENE				10 UG/L		U				10 UG/L		U			
CHLOROETHANE				13 UG/L		-				7 UG/L		J			

SAMPLE NUMBER:	123041			123041			062411			062411			062411		
LAB:	IT			IT			IT/MWL			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	DL-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROFORM				10 UG/L		U				10 UG/L		U			
CHLOROMETHANE				10 UG/L		U				10 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE				10 UG/L		U				10 UG/L		U			
DIBROMOCHLOROMETHANE				10 UG/L		U				10 UG/L		U			
ETHYLBENZENE				10 UG/L		U				10 UG/L		U			
METHYLENE CHLORIDE				10 UG/L		U				10 UG/L		U			
STYRENE				10 UG/L		U				10 UG/L		U			
TETRACHLOROETHENE				10 UG/L		U				10 UG/L		U			
TOLUENE				10 UG/L		U				10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U				10 UG/L		U			
TRICHLOROETHENE				10 UG/L		U				10 UG/L		U			
VINYL ACETATE				10 UG/L		U				10 UG/L		UJ			
VINYL CHLORIDE				5 UG/L		J				10 UG/L		UJ			
XYLENES, TOTAL				10 UG/L		U				10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062411	062025	062025	062025	062025
TASK:	04.30	04.06	04.06	04.06	04.06
LAB:	IT/RSL	IT	IT	IT	IT
WELL OR BORING NUMBER:	1778	1779	1779	1779	1779
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-FEB-93	19-SEP-91	19-SEP-91	19-SEP-91	19-SEP-91
NORTH COORDINATE:	480305.19	480592.55	480592.55	480592.55	480592.55
EAST COORDINATE:	1381672.31	1380159.3	1380159.3	1380159.3	1380159.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	RE-FIL	NONE-FIL	DL-UNF	NONE-UNF	R-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM										1.18 MG/L		-			
ANTIMONY										.0336 MG/L		J			
ARSENIC										.002 MG/L		U			
BARIUM										.0735 MG/L		-			
BERYLLIUM										.002 MG/L		U			
CADMIUM										.007 MG/L		-			
CALCIUM										147 MG/L		-			
CHROMIUM										.0488 MG/L		-			
COBALT										.01 MG/L		U			
COPPER										.0131 MG/L		-			
CYANIDE										.002 MG/L		UJ			
IRON										1.65 MG/L		-			
LEAD										.0026 MG/L		J			
MAGNESIUM										48.5 MG/L		-			
MANGANESE										.323 MG/L		J			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.0143 MG/L		-			
NICKEL										.0281 MG/L		-			
POTASSIUM										2.16 MG/L		-			
SELENIUM										.002 MG/L		UJ	.002 MG/L		NV
SILICON										7.6 MG/L		-			
SILVER										.0375 MG/L		J			
SODIUM										31.4 MG/L		-			
THALLIUM										.002 MG/L		UJ			
VANADIUM										.0259 MG/L		-			
ZINC										.0189 MG/L		UJ			
PESTICIDES															
4,4'-DDD							1 UG/L		U						
4,4'-DDE							1 UG/L		U						
4,4'-DDT							1 UG/L		U						

SAMPLE NUMBER:	062411			062025			062025			062025			062025		
LAB:	IT/RSL			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	RE-FIL			NONE-FIL			DL-UNF			NONE-UNF			R-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALDRIN							.5 UG/L		U						
ALPHA-BHC							.5 UG/L		U						
ALPHA-CHLORDANE										.5 UG/L		U			
AROCLOR-1016										.5 UG/L		U			
AROCLOR-1221										.5 UG/L		U			
AROCLOR-1232										.5 UG/L		U			
AROCLOR-1242										.5 UG/L		U			
AROCLOR-1248										.5 UG/L		U			
AROCLOR-1254										1 UG/L		U			
AROCLOR-1260										1 UG/L		U			
BETA-BHC							.5 UG/L		U						
DELTA-BHC							.5 UG/L		U						
DIELDRIN							1 UG/L		U						
ENDOSULFAN II							1 UG/L		U						
ENDOSULFAN SULFATE							1 UG/L		U						
ENDOSULFAN-I							.5 UG/L		U						
ENDRIN							1 UG/L		U	.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)							.5 UG/L		U						
GAMMA-CHLORDANE										.5 UG/L		U			
HEPTACHLOR							.5 UG/L		U						
HEPTACHLOR EPOXIDE							.5 UG/L		U						
METHOXYCHLOR										.5 UG/L		U			
TOXAPHENE										1 UG/L		U			
RADIONUCLIDES															
URANIUM-238	652 PCI/L	134	J												
URANIUM, TOTAL				151 UG/L	20	NV									
URANIUM-234	611 PCI/L	126	J												
THORIUM-230	1.73 PCI/L	.48	J												
RADIUM-226				1 PCI/L	.62	UNV									
URANIUM-235/236	35.9 PCI/L	7.9	J												
THORIUM-232	.2425 PCI/L	.1557	J												
THORIUM, TOTAL	2.21 UG/L		J												
RADIUM-228				3 PCI/L		UNV									
THORIUM-228	.222 PCI/L	.0781	UJ												
NEPTUNIUM-237				1 PCI/L		NV									
PLUTONIUM-239/240				1 PCI/L		NV									
PLUTONIUM-238				1 PCI/L		NV									
STRONTIUM-90				5 PCI/L		NV									
TECHNETIUM-99				30 PCI/L	23	NV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				20 PCI/L		NV									
SEMIVOLATILES															

SAMPLE NUMBER:	062411			062025			062025			062025			062025		
LAB:	IT/RSL			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	RE-FIL			NONE-FIL			DL-UNF			NONE-UNF			R-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2-DICHLOROBENZENE										10 UG/L		U			
1,3-DICHLOROBENZENE										10 UG/L		U			
1,4-DICHLOROBENZENE										10 UG/L		U			
2,4,5-TRICHLOROPHENOL										50 UG/L		U			
2,4,6-TRICHLOROPHENOL										10 UG/L		U			
2,4-DICHLOROPHENOL										10 UG/L		U			
2,4-DIMETHYLPHENOL										10 UG/L		U			
2,4-DINITROPHENOL										50 UG/L		UJ			
2,4-DINITROTOLUENE										10 UG/L		U			
2,6-DINITROTOLUENE										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		U			
2-CHLOROPHENOL										10 UG/L		U			
2-METHYLNAPHTHALENE										10 UG/L		U			
2-METHYLPHENOL										10 UG/L		U			
2-NITROANILINE										50 UG/L		U			
2-NITROPHENOL										10 UG/L		U			
3,3'-DICHLOROBENZIDINE										20 UG/L		U			
3-NITROANILINE										50 UG/L		UJ			
4,6-DINITRO-2-METHYLPHENOL										50 UG/L		U			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLORO-3-METHYLPHENOL										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			
4-NITROANILINE										50 UG/L		U			
4-NITROPHENOL										50 UG/L		U			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		U			
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		U			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			
BENZOIC ACID										50 UG/L		U			
BENZYL ALCOHOL										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE										10 UG/L		U			
BUTYL BENZYL PHTHALATE										10 UG/L		U			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										10 UG/L		U			
DI-N-OCTYL PHTHALATE										10 UG/L		U			
DIBENZO(A,H)ANTHRACENE										10 UG/L		U			
DIBENZOFURAN										10 UG/L		U			

SAMPLE NUMBER:	062411			062025			062025			062025			062025		
LAB:	IT/RSL			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	RE-FIL			NONE-FIL			DL-UNF			NONE-UNF			R-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		U			
HEXACHLOROBENZENE										10 UG/L		U			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		U			
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		U			
ISOPHORONE										10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		UJ			
PENTACHLOROPHENOL										50 UG/L		U			
PHENANTHRENE										10 UG/L		U			
PHENOL										10 UG/L		U			
PYRENE										10 UG/L		U			
TRIBUTYL PHOSPHATE										10 UG/L		U	10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE										5 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										5 UG/L		U			
1,1,2-TRICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHENE										5 UG/L		U			
1,2-DICHLOROETHANE										5 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										5 UG/L		U			
1,2-DICHLOROPROPANE										5 UG/L		U			
2-BUTANONE										10 UG/L		UJ			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										5 UG/L		U			
BROMODICHLOROMETHANE										5 UG/L		U			
BROMOFORM										5 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										5 UG/L		U			
CARBON TETRACHLORIDE										5 UG/L		U			
CHLOROBENZENE										5 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										5 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										5 UG/L		U			
DIBROMOCHLOROMETHANE										5 UG/L		U			

SAMPLE NUMBER:	062411			062025			062025			062025			062025		
LAB:	IT/RSL			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	RE-FIL			NONE-FIL			DL-UNF			NONE-UNF			R-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ETHYLBENZENE										5 UG/L		U			
METHYLENE CHLORIDE										5 UG/L		U			
STYRENE										5 UG/L		U			
TETRACHLOROETHENE										5 UG/L		U			
TOLUENE										5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		U			
TRICHLOROETHENE										5 UG/L		U			
VINYL ACETATE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062025	062026	062026	062027	062029
TASK:	04.06	04.06	04.06	04.06	04.06
LAB:	IT/RSL	IT	IT	WEMCO	IT
WELL OR BORING NUMBER:	1779	1780	1780	1781	1783
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-SEP-91	19-SEP-91	19-SEP-91	19-SEP-91	19-SEP-91
NORTH COORDINATE:	480592.55	480594.23	480594.23	480540.34	480690.77
EAST COORDINATE:	1380159.3	1380211.84	1380211.84	1380174.63	1380507.82
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	F-FIL	F-FIL	NONE-UNF	NONE-UNF	F-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	.166 MG/L		-	.797 MG/L		-	2.8 MG/L		-				1.12 MG/L		-
ANTIMONY	.03 MG/L		UJ	.0714 MG/L		J	.0842 MG/L		J				.0666 MG/L		J
ARSENIC	.002 MG/L		U	.002 MG/L		U	.002 MG/L		U				.002 MG/L		U
BARIUM	.0632 MG/L		-	.109 MG/L		-	.134 MG/L		-				.0998 MG/L		-
BERYLLIUM	.002 MG/L		U	.0056 MG/L		-	.0064 MG/L		-				.0074 MG/L		-
CADMIUM	.0052 MG/L		-	.0132 MG/L		-	.0138 MG/L		-				.0102 MG/L		-
CALCIUM	103 MG/L		-	234 MG/L		-	255 MG/L		-				179 MG/L		-
CHROMIUM	.0361 MG/L		-	.159 MG/L		-	.182 MG/L		-				.21 MG/L		-
COBALT	.01 MG/L		U	.0247 MG/L		-	.0287 MG/L		-				.0274 MG/L		-
COPPER	.01 MG/L		U	.0334 MG/L		J	.0438 MG/L		J				.0466 MG/L		J
CYANIDE							.0053 MG/L		UJ						
IRON	.0205 MG/L		-	.0441 MG/L		-	2.66 MG/L		J				.0795 MG/L		-
LEAD	.002 MG/L		UJ	.002 MG/L		U	.0026 MG/L		-				.002 MG/L		U
MAGNESIUM	31.2 MG/L		-	74.6 MG/L		-	80.7 MG/L		-				47 MG/L		-
MANGANESE	.37 MG/L		J	.41 MG/L		J	.382 MG/L		J				.376 MG/L		J
MERCURY	.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM	.0114 MG/L		-	.029 MG/L		-	.03 MG/L		-				.0247 MG/L		-
NICKEL	.02 MG/L		U	.0659 MG/L		-	.0661 MG/L		-				.0478 MG/L		J
POTASSIUM	1.82 MG/L		-	3.04 MG/L		-	3.34 MG/L		-				3.22 MG/L		-
SELENIUM	.002 MG/L		U	.002 MG/L		U	.002 MG/L		UJ				.002 MG/L		U
SILICON	5.97 MG/L		-	7 MG/L		-	10.3 MG/L		-				5.8 MG/L		-
SILVER	.0295 MG/L		J	.0969 MG/L		-	.109 MG/L		-				.119 MG/L		-
SODIUM	28.1 MG/L		-	37.2 MG/L		-	36.5 MG/L		-				38.4 MG/L		-
THALLIUM	.002 MG/L		UJ	.002 MG/L		U	.002 MG/L		U				.002 MG/L		U
VANADIUM	.0182 MG/L		-	.0729 MG/L		-	.0856 MG/L		-				.0891 MG/L		-
ZINC	.0314 MG/L		UJ	.016 MG/L		U	.03 MG/L		U				.0155 MG/L		U
PESTICIDES															
4,4'-DDD							.1 UG/L		U						
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						

SAMPLE NUMBER:	062025			062026			062026			062027			062029		
LAB:	IT/RSL			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	F-FIL			F-FIL			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALDRIN							.05 UG/L		U						
ALPHA-BHC							.05 UG/L		U						
ALPHA-CHLORDANE							.5 UG/L		U						
AROCLOR-1016							.5 UG/L		U						
AROCLOR-1221							.5 UG/L		U						
AROCLOR-1232							.5 UG/L		U						
AROCLOR-1242							.5 UG/L		U						
AROCLOR-1248							.5 UG/L		U						
AROCLOR-1254							1 UG/L		U						
AROCLOR-1260							1 UG/L		U						
BETA-BHC							.05 UG/L		U						
DELTA-BHC							.05 UG/L		U						
DIELDRIN							.1 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.1 UG/L		U						
ENDRIN KETONE							.1 UG/L		U						
GAMMA-BHC (LINDANE)							.05 UG/L		U						
GAMMA-CHLORDANE							.5 UG/L		U						
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							1 UG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL										13500 UG/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062029			062030-1			062030-1			062013			062013		
TASK:	04.06			04.06			04.06			04.06			04.06		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1783			1784			1784			1785			1785		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-SEP-91			18-SEP-91			18-SEP-91			13-SEP-91			13-SEP-91		
NORTH COORDINATE:	480690.77			480678.39			480678.39			480270.45			480270.45		
EAST COORDINATE:	1380507.82			1380546.32			1380546.32			1380260.86			1380260.86		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	22 MG/L		J	1.59 MG/L		NV	42.2 MG/L		NV						
ANTIMONY	.0861 MG/L		J	.0607 MG/L		NV	.115 MG/L		NV						
ARSENIC	.0036 MG/L		-	.002 MG/L		UNV	.0054 MG/L		NV						
BARIUM	.212 MG/L		-	.0797 MG/L		NV	.364 MG/L		NV						
BERYLLIUM	.0086 MG/L		-	.0074 MG/L		NV	.0101 MG/L		NV						
CADMIUM	.0134 MG/L		-	.0086 MG/L		NV	.0177 MG/L		NV						
CALCIUM	257 MG/L		-	137 MG/L		NV	377 MG/L		NV						
CHROMIUM	.249 MG/L		-	.205 MG/L		NV	.294 MG/L		NV						
COBALT	.0486 MG/L		-	.0271 MG/L		NV	.0773 MG/L		NV						
COPPER	.0769 MG/L		J	.0435 MG/L		NV	.128 MG/L		NV						
CYANIDE	.0081 MG/L		UJ				.002 MG/L		UNV						
IRON	31.5 MG/L		J	.899 MG/L		NV	75.4 MG/L		NV						
LEAD	.0136 MG/L		U	.002 MG/L		UNV	.0358 MG/L		NV						
MAGNESIUM	72.8 MG/L		-	36 MG/L		NV	112 MG/L		NV						
MANGANESE	.878 MG/L		J	.369 MG/L		NV	1.74 MG/L		NV						
MERCURY	.0002 MG/L		U	.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM	.054 MG/L		-	.0229 MG/L		NV	.0807 MG/L		NV						
NICKEL	.0956 MG/L		-	.0419 MG/L		NV	.163 MG/L		NV						
POTASSIUM	10.3 MG/L		-	2.67 MG/L		NV	11.8 MG/L		NV						
SELENIUM	.002 MG/L		U	.002 MG/L		NV	.002 MG/L		UNV						
SILICON	40 MG/L		-	6.15 MG/L		NV	65.5 MG/L		NV						
SILVER	.126 MG/L		-	.112 MG/L		NV	.138 MG/L		NV						
SODIUM	38.4 MG/L		-	38.8 MG/L		NV	38.1 MG/L		NV						
THALLIUM	.002 MG/L		U	.002 MG/L		UNV	.002 MG/L		UNV						
VANADIUM	.135 MG/L		-	.0853 MG/L		NV	.186 MG/L		NV						
ZINC	.104 MG/L		-	.0234 MG/L		NV	.232 MG/L		NV						
PESTICIDES															
4,4'-DDD	.1 UG/L		U				.1 UG/L		U				.1 UG/L		U
4,4'-DDE	.1 UG/L		U				.1 UG/L		U				.1 UG/L		U
4,4'-DDT	.1 UG/L		U				.1 UG/L		U				.1 UG/L		U

SAMPLE NUMBER:	062029			062030-1			062030-1			062013			062013		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALDRIN	.05 UG/L		U				.05 UG/L		U				.05 UG/L		U
ALPHA-BHC	.05 UG/L		U				.05 UG/L		U				.05 UG/L		U
ALPHA-CHLORDANE	.5 UG/L		U				.5 UG/L		U				.5 UG/L		U
AROCLOR-1016	.5 UG/L		U				.5 UG/L		U				.5 UG/L		U
AROCLOR-1221	.5 UG/L		U				.5 UG/L		U				.5 UG/L		U
AROCLOR-1232	.5 UG/L		U				.5 UG/L		U				.5 UG/L		U
AROCLOR-1242	.5 UG/L		U				.5 UG/L		U				.5 UG/L		U
AROCLOR-1248	.5 UG/L		U				.5 UG/L		U				.5 UG/L		U
AROCLOR-1254	1 UG/L		U				1 UG/L		U				1 UG/L		U
AROCLOR-1260	1 UG/L		U				1 UG/L		U				1 UG/L		U
BETA-BHC	.05 UG/L		U				.05 UG/L		U				.05 UG/L		U
DELTA-BHC	.05 UG/L		U				.05 UG/L		U				.05 UG/L		U
DIELDRIN	.1 UG/L		U				.1 UG/L		U				.1 UG/L		U
ENDOSULFAN II	.1 UG/L		U				.1 UG/L		U				.1 UG/L		U
ENDOSULFAN SULFATE	.1 UG/L		U				.1 UG/L		U				.1 UG/L		U
ENDOSULFAN-I	.05 UG/L		U				.05 UG/L		U				.05 UG/L		U
ENDRIN	.1 UG/L		U				.1 UG/L		U				.1 UG/L		U
ENDRIN KETONE	.1 UG/L		U				.1 UG/L		U				.1 UG/L		U
GAMMA-BHC (LINDANE)	.05 UG/L		U				.05 UG/L		U				.05 UG/L		U
GAMMA-CHLORDANE	.5 UG/L		U				.5 UG/L		U				.5 UG/L		U
HEPTACHLOR	.05 UG/L		U				.05 UG/L		U				.05 UG/L		U
HEPTACHLOR EPOXIDE	.05 UG/L		U				.05 UG/L		U				.05 UG/L		U
METHOXYCHLOR	.5 UG/L		U				.5 UG/L		U				.5 UG/L		U
TOXAPHENE	1 UG/L		U				1 UG/L		U				1 UG/L		U
RADIONUCLIDES															
URANIUM-238	12400 PCI/L	1600	NV				8180 PCI/L	1210	NV	4706 PCI/L	977	NV			
URANIUM, TOTAL	36000 UG/L	5000	NV				27500 UG/L	3800	NV	29370 UG/L	3937	NV			
URANIUM-234	16300 PCI/L	2000	NV				8460 PCI/L	1240	NV						
THORIUM-230	14 PCI/L	2.3	NV				28 PCI/L	4.2	NV						
RADIUM-226	2.77 PCI/L	.54	NV				1.65 PCI/L	.45	NV	1 PCI/L		UNV			
URANIUM-235/236	603 PCI/L	125	NV				587 PCI/L	158	NV	563 PCI/L	96	NV			
THORIUM-232	3.78 PCI/L	.93	NV				4.87 PCI/L	1.14	NV						
THORIUM, TOTAL	34.1 UG/L	8.4	NV				43.9 UG/L	1	NV						
RADIUM-228	3 PCI/L		UNV							3 PCI/L		UNV			
THORIUM-228	4.07 PCI/L	.98	NV				3.15 PCI/L	.9	NV						
PLUTONIUM-239/240	1 PCI/L		NV				1 PCI/L		NV						
PLUTONIUM-238	1 PCI/L		NV				1 PCI/L		NV						
STRONTIUM-90	5 PCI/L		NV				5 PCI/L		NV	5 PCI/L		NV			
TECHNETIUM-99	715 PCI/L	82	NV				961 PCI/L	11	NV	3000 PCI/L	310	NV			
RUTHENIUM-106	150 PCI/L		UNV				150 PCI/L		UNV	150 PCI/L		UNV			
CESIUM-137	20 PCI/L		NV				20 PCI/L		NV	20 PCI/L		NV			
GROSS ALPHA	13800 PCI/L	1400	NV												
GROSS BETA	7190 PCI/L	723	NV												

S2400025

SEMIVOLATILES

1,2,4-TRICHLOROBENZENE	10 UG/L		U				10 UG/L		U				10 UG/L		U

10/02/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062029			062030-1			062030-1			062013			062013		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2-DICHLOROBENZENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
1,3-DICHLOROBENZENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
1,4-DICHLOROBENZENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
2,4,5-TRICHLOROPHENOL	50 UG/L		U				50 UG/L		U				50 UG/L		U
2,4,6-TRICHLOROPHENOL	10 UG/L		U				10 UG/L		U				10 UG/L		U
2,4-DICHLOROPHENOL	10 UG/L		U				10 UG/L		U				10 UG/L		U
2,4-DIMETHYLPHENOL	10 UG/L		U				10 UG/L		U				10 UG/L		U
2,4-DINITROPHENOL	50 UG/L		UJ				50 UG/L		UJ				50 UG/L		U
2,4-DINITROTOLUENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
2,6-DINITROTOLUENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
2-CHLORONAPHTHALENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
2-CHLOROPHENOL	10 UG/L		U				10 UG/L		U				10 UG/L		U
2-METHYLNAPHTHALENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
2-METHYLPHENOL	10 UG/L		U				10 UG/L		U				10 UG/L		U
2-NITROANILINE	50 UG/L		U				50 UG/L		U				50 UG/L		U
2-NITROPHENOL	10 UG/L		U				10 UG/L		U				10 UG/L		U
3,3'-DICHLOROBENZIDINE	20 UG/L		U				20 UG/L		U				20 UG/L		U
3-NITROANILINE	50 UG/L		UJ				50 UG/L		UJ				50 UG/L		U
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		U				50 UG/L		U				50 UG/L		U
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U				10 UG/L		U				10 UG/L		U
4-CHLORO-3-METHYLPHENOL	10 UG/L		U				10 UG/L		U				10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U				10 UG/L		U				10 UG/L		U
4-METHYLPHENOL	10 UG/L		U				10 UG/L		U				10 UG/L		U
4-NITROANILINE	50 UG/L		U				50 UG/L		U				50 UG/L		U
4-NITROPHENOL	50 UG/L		U				50 UG/L		U				50 UG/L		U
ACENAPHTHENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
ACENAPHTHYLENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
ANTHRACENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
BENZO(A)ANTHRACENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
BENZO(A)PYRENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
BENZO(B)FLUORANTHENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
BENZO(G,H,I)PERYLENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
BENZO(K)FLUORANTHENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
BENZOIC ACID	50 UG/L		U				50 UG/L		U				50 UG/L		U
BENZYL ALCOHOL	10 UG/L		U				10 UG/L		U				10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U				10 UG/L		U				10 UG/L		U
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U				10 UG/L		U				10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U				10 UG/L		U				10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U				10 UG/L		U				10 UG/L		U
BUTYL BENZYL PHTHALATE	10 UG/L		U				10 UG/L		U				10 UG/L		U
CHRYSENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
DI-N-BUTYL PHTHALATE	10 UG/L		U				10 UG/L		U				10 UG/L		U

SAMPLE NUMBER:	062029			062030-1			062030-1			062013			062013		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DI-N-OCTYL PHTHALATE	10 UG/L		U				10 UG/L		U				10 UG/L		U
DIBENZO(A,H)ANTHRACENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
DIBENZOFURAN	10 UG/L		U				10 UG/L		U				10 UG/L		U
DIETHYL PHTHALATE	10 UG/L		U				10 UG/L		U				10 UG/L		U
DIMETHYL PHTHALATE	10 UG/L		U				10 UG/L		U				10 UG/L		U
FLUORANTHENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
FLUORENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
HEXACHLOROBENZENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
HEXACHLOROBUTADIENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
HEXACHLOROETHANE	10 UG/L		U				10 UG/L		U				10 UG/L		U
INDENO(1,2,3-CD)PYRENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
ISOPHORONE	10 UG/L		U				10 UG/L		U				10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U				10 UG/L		U				10 UG/L		U
N-NITROSODIPHENYLAMINE	10 UG/L		U				10 UG/L		U				10 UG/L		U
NAPHTHALENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
NITROBENZENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
P-CHLOROANILINE	10 UG/L		UJ				10 UG/L		UJ				10 UG/L		U
PENTACHLOROPHENOL	50 UG/L		U				50 UG/L		U				50 UG/L		U
PHENANTHRENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
PHENOL	10 UG/L		U				10 UG/L		U				10 UG/L		U
PYRENE	10 UG/L		U				10 UG/L		U				10 UG/L		U
TRIBUTYL PHOSPHATE	10 UG/L		U				10 UG/L		U				10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE	97 UG/L		U				15 UG/L		-						
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,1,2-TRICHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,1-DICHLOROETHANE	20 UG/L		U				10 UG/L		-						
1,1-DICHLOROETHENE	9 UG/L		U				5 UG/L		U						
1,2-DICHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U				5 UG/L		U						
1,2-DICHLOROPROPANE	5 UG/L		U				5 UG/L		U						
2-BUTANONE	10 UG/L		UJ				10 UG/L		UJ						
2-HEXANONE	10 UG/L		U				10 UG/L		UJ						
4-METHYL-2-PENTANONE	10 UG/L		U				10 UG/L		U						
ACETONE	48 UG/L		J				11 UG/L		UJ						
BENZENE	5 UG/L		UJ				5 UG/L		UJ						
BROMODICHLOROMETHANE	5 UG/L		U				5 UG/L		U						
BROMOFORM	5 UG/L		U				5 UG/L		U						
BROMOMETHANE	10 UG/L		U				10 UG/L		U						
CARBON DISULFIDE	5 UG/L		U				5 UG/L		U						
CARBON TETRACHLORIDE	5 UG/L		U				5 UG/L		U						
CHLOROBENZENE	5 UG/L		UJ				5 UG/L		UJ						
CHLOROETHANE	10 UG/L		U				10 UG/L		U						
CHLOROFORM	5 UG/L		U				5 UG/L		U						

SAMPLE NUMBER:	062029			062030-1			062030-1			062013			062013		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROMETHANE	10 UG/L		U				10 UG/L		U						
CIS-1,3-DICHLOROPROPENE	5 UG/L		U				5 UG/L		U						
DIBROMOCHLOROMETHANE	5 UG/L		U				5 UG/L		U						
ETHYLBENZENE	5 UG/L		UJ				5 UG/L		UJ						
METHYLENE CHLORIDE	5 UG/L		UJ				5 UG/L		U						
STYRENE	5 UG/L		UJ				5 UG/L		UJ						
TETRACHLOROETHENE	2 UG/L		J				5 UG/L		U						
TOLUENE	5 UG/L		U				5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U				5 UG/L		U						
TRICHLOROETHENE	2 UG/L		J				5 UG/L		U						
VINYL ACETATE	10 UG/L		U				10 UG/L		U						
VINYL CHLORIDE	10 UG/L		U				10 UG/L		U						
XYLENES, TOTAL	5 UG/L		UJ				5 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062013	062013	062014	062014	062014
TASK:	04.06	04.06	04.06	04.06	04.06
LAB:	IT/MWL	IT/MWL	IT	IT	IT
WELL OR BORING NUMBER:	1785	1785	1785	1785	1785
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-SEP-91	13-SEP-91	13-SEP-91	13-SEP-91	13-SEP-91
NORTH COORDINATE:	480270.45	480270.45	480270.45	480270.45	480270.45
EAST COORDINATE:	1380260.86	1380260.86	1380260.86	1380260.86	1380260.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	F-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													.1 MG/L		U
CHLORIDE													99.4 MG/L		-
FLUORIDE													5.05 MG/L		-
NITRATE													2673 MG/L		J
PHENOLS													.01 MG/L		U
PHOSPHORUS													.16 MG/L		J
SULFATE													413 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL ORGANIC CARBON													246 MG/L		J
TOTAL ORGANIC HALIDES													.14 MG/L		J
TOTAL ORGANIC NITROGEN													4.1 MG/L		J
INORGANICS															
ALUMINUM	.911 MG/L		J	1.16 MG/L		J	14.1 MG/L		J				14.4 MG/L		J
ANTIMONY	.07 MG/L		J	.0689 MG/L		J	.679 MG/L		-				.689 MG/L		-
ARSENIC	.002 MG/L		UJ	.002 MG/L		UJ	.002 MG/L		UJ				.002 MG/L		UJ
BARIUM	.121 MG/L		J	.122 MG/L		J	.53 MG/L		-				.539 MG/L		-
BERYLLIUM	.0052 MG/L		J	.0052 MG/L		J	.0793 MG/L		-				.0808 MG/L		-
CADMIUM	.0114 MG/L		J	.0118 MG/L		J	.112 MG/L		-				.115 MG/L		-
CALCIUM	215 MG/L		J	215 MG/L		J	1380 MG/L		-				1400 MG/L		-
CHROMIUM	.17 MG/L		J	.171 MG/L		J	2.36 MG/L		J				2.4 MG/L		J
COBALT	.0202 MG/L		J	.0203 MG/L		J	.307 MG/L		-				.314 MG/L		-
COPPER	.0627 MG/L		J	.0644 MG/L		J	.684 MG/L		J				.698 MG/L		J
CYANIDE				.0078 MG/L		U							.002 MG/L		UJ
IRON	.098 MG/L		J	.441 MG/L		J	.846 MG/L		J				.887 MG/L		J
LEAD	.002 MG/L		UJ	.0026 MG/L		UJ	.002 MG/L		U				.0032 MG/L		J
MAGNESIUM	68.4 MG/L		J	68.7 MG/L		J	439 MG/L		-				447 MG/L		-
MANGANESE	.328 MG/L		J	.329 MG/L		J	2.4 MG/L		J				2.44 MG/L		J
MERCURY	.0002 MG/L		UJ	.0002 MG/L		UJ	.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM	.02 MG/L		J	.0209 MG/L		J	.19 MG/L		-				.193 MG/L		-
NICKEL	.0448 MG/L		J	.047 MG/L		J	.482 MG/L		-				.487 MG/L		-

SAMPLE NUMBER:	062013			062013			062014			062014			062014		
LAB:	IT/MWL			IT/MWL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM	1.68 MG/L		-	1.73 MG/L		-	43.3 MG/L		-				42.6 MG/L		-
SELENIUM	.002 MG/L		UJ	.002 MG/L		UJ	.01 MG/L		U				.01 MG/L		U
SILICON							11.3 MG/L		-				11.6 MG/L		-
SILVER	.105 MG/L		J	.105 MG/L		J	1.29 MG/L		J				1.31 MG/L		J
SODIUM	27.3 MG/L		J	26.7 MG/L		J	174 MG/L		-				177 MG/L		-
THALLIUM	.002 MG/L		UJ	.002 MG/L		UJ	.002 MG/L		U				.002 MG/L		UJ
VANADIUM	.0738 MG/L		J	.0741 MG/L		J	.932 MG/L		J				.948 MG/L		J
ZINC	.0218 MG/L		UJ	.0168 MG/L		UJ	.627 MG/L		J				.648 MG/L		J
PESTICIDES															
4,4'-DDD													.1 UG/L		U
4,4'-DDE													.1 UG/L		U
4,4'-DDT													.1 UG/L		U
ALDRIN													.05 UG/L		U
ALPHA-BHC													.05 UG/L		U
ALPHA-CHLORDANE													.5 UG/L		U
AROCLOR-1016													.5 UG/L		U
AROCLOR-1221													.5 UG/L		U
AROCLOR-1232													.5 UG/L		U
AROCLOR-1242													.5 UG/L		U
AROCLOR-1248													.5 UG/L		U
AROCLOR-1254													1 UG/L		U
AROCLOR-1260													1 UG/L		U
BETA-BHC													.05 UG/L		U
DELTA-BHC													.05 UG/L		U
DIELDRIN													.1 UG/L		U
ENDOSULFAN II													.1 UG/L		U
ENDOSULFAN SULFATE													.1 UG/L		U
ENDOSULFAN-I													.05 UG/L		U
ENDRIN													.1 UG/L		U
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.05 UG/L		U
GAMMA-CHLORDANE													.5 UG/L		U
HEPTACHLOR													.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
TOXAPHENE													1 UG/L		U
RADIONUCLIDES															
URANIUM, TOTAL										649000 UG/L	90000	NV			
THORIUM-230										1 PCI/L		NV			
THORIUM-232										1 PCI/L		NV			
THORIUM, TOTAL										3.2 UG/L		NV			
THORIUM-228										1.35 PCI/L	.55	NV			
PLUTONIUM-239/240										1 PCI/L		NV			

SAMPLE NUMBER:	062013			062013			062014			062014			062014		
LAB:	IT/MWL			IT/MWL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
PLUTONIUM-238										1 PCI/L		NV			
STRONTIUM-90										5 PCI/L		NV			
TECHNETIUM-99										676 PCI/L	78	NV			
RUTHENIUM-106										192 PCI/L		NV			
CESIUM-137										24 PCI/L		NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													50 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U
2,4-DINITROPHENOL													50 UG/L		UJ
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													50 UG/L		U
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													20 UG/L		U
3-NITROANILINE													50 UG/L		UJ
4,6-DINITRO-2-METHYLPHENOL													50 UG/L		U
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													50 UG/L		U
4-NITROPHENOL													50 UG/L		U
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		U
BENZOIC ACID													4 UG/L		J
BENZYL ALCOHOL													10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL)													10 UG/L		U

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	062013			062013			062014			062014			062014		
LAB:	IT/MWL			IT/MWL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		U
BUTYL BENZYL PHTHALATE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													10 UG/L		U
DI-N-OCTYL PHTHALATE													10 UG/L		U
DIBENZO(A,H)ANTHRACENE													10 UG/L		U
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		U
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		U
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		UJ
PENTACHLOROPHENOL													50 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL													10 UG/L		U
PYRENE													10 UG/L		U
TRIBUTYL PHOSPHATE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE													5 UG/L		U
1,1,2,2-TETRACHLOROETHANE													5 UG/L		U
1,1,2-TRICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHENE													5 UG/L		U
1,2-DICHLOROETHANE													5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													5 UG/L		U
1,2-DICHLOROPROPANE													5 UG/L		U
2-BUTANONE													10 UG/L		UJ
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		UJ
BENZENE													5 UG/L		U
BROMODICHLOROMETHANE													5 UG/L		U
BROMOFORM													5 UG/L		U
BROMOMETHANE													10 UG/L		U

SAMPLE NUMBER:	062013			062013			062014			062014			062014		
LAB:	IT/MWL			IT/MWL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON DISULFIDE													5 UG/L		U
CARBON TETRACHLORIDE													5 UG/L		U
CHLOROBENZENE													5 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													5 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													5 UG/L		U
DIBROMOCHLOROMETHANE													5 UG/L		U
ETHYLBENZENE													5 UG/L		U
METHYLENE CHLORIDE													5 UG/L		U
STYRENE													5 UG/L		U
TETRACHLOROETHENE													5 UG/L		U
TOLUENE													5 UG/L		U
TRANS-1,3-DICHLOROPROPENE													5 UG/L		U
TRICHLOROETHENE													5 UG/L		U
VINYL ACETATE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062208	062208	062208	062208	062208
TASK:	04.06	04.06	04.06	04.06	04.06
LAB:	IT	IT	IT	IT	IT/RSL
WELL OR BORING NUMBER:	1785	1785	1785	1785	1785
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-SEP-92	14-SEP-92	14-SEP-92	14-SEP-92	14-SEP-92
NORTH COORDINATE:	480270.45	480270.45	480270.45	480270.45	480270.45
EAST COORDINATE:	1380260.86	1380260.86	1380260.86	1380260.86	1380260.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	F-FIL	NONE-UNF	R-UNF	U-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	.327 MG/L		-							1.64 MG/L		U			
ANTIMONY	.005 MG/L		U							.005 MG/L		U			
ARSENIC	.0026 MG/L		UJ							.0025 MG/L		UJ			
BARIUM	.0444 MG/L		-							.0446 MG/L		-			
BERYLLIUM	.002 MG/L		U							.002 MG/L		U			
CADMIUM	.005 MG/L		U							.005 MG/L		U			
CALCIUM	209 MG/L		-							201 MG/L		-			
CHROMIUM	.01 MG/L		UJ							.01 MG/L		UJ			
COBALT	.01 MG/L		U							.01 MG/L		U			
COPPER	.01 MG/L		U							.01 MG/L		U			
CYANIDE										.002 MG/L		-			
IRON	.02 MG/L		U							2.05 MG/L		-			
LEAD	.0025 MG/L		U							.0025 MG/L		U			
MAGNESIUM	66.3 MG/L		-							64.5 MG/L		-			
MANGANESE	.243 MG/L		-							.266 MG/L		-			
MERCURY	.0002 MG/L		U							.0002 MG/L		U			
MOLYBDENUM	.01 MG/L		U				.0000885 MG/L		NV	.01 MG/L		U			
NICKEL	.02 MG/L		U							.0241 MG/L		-			
POTASSIUM	2.22 MG/L		-							2.64 MG/L		-			
SELENIUM	.002 MG/L		U							.002 MG/L		U			
SILICON	5.58 MG/L		-				.0001168 MG/L		NV	7.01 MG/L		-			
SILVER	.01 MG/L		UJ							.01 MG/L		UJ			
SODIUM	23.7 MG/L		-							22.1 MG/L		-			
THALLIUM	.002 MG/L		U							.002 MG/L		U			
VANADIUM	.01 MG/L		UJ							.01 MG/L		UJ			
ZINC	.023 MG/L		U				.0000939 MG/L		NV	.0394 MG/L		U			
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									

SAMPLE NUMBER:	062208			062208			062208			062208			062208		
LAB:	IT			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	F-FIL			NONE-UNF			R-UNF			U-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.5 UG/L		U									
AROCLOR-1016				.5 UG/L		U									
AROCLOR-1221				.5 UG/L		U									
AROCLOR-1232				.5 UG/L		U									
AROCLOR-1242				.5 UG/L		U									
AROCLOR-1248				.5 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.5 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				1 UG/L		U									
RADIONUCLIDES															
URANIUM-238													11900 PCI/L	3040	J
URANIUM, TOTAL													22800 UG/L	3100	-
URANIUM-234													14300 PCI/L	3420	J
THORIUM-230													3.58 PCI/L	1.6	J
RADIUM-226													1 PCI/L	.04	UJ
URANIUM-235/236													1160 PCI/L	927	J
THORIUM-232													.715 PCI/L	.65	J
THORIUM, TOTAL													6.45 UG/L	5.85	J
RADIUM-228													3 PCI/L		UJ
THORIUM-228													4.29 PCI/L	1.8	J
NEPTUNIUM-237													1.59 PCI/L	.86	J
PLUTONIUM-239/240													.87 PCI/L		UJ
PLUTONIUM-238													.87 PCI/L		UJ
STRONTIUM-90													2.32 PCI/L	.5	J
TECHNETIUM-99													3520 PCI/L	360	J
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													15 PCI/L		UJ
GROSS ALPHA													17400 PCI/L	1800	NV
GROSS BETA													6480 PCI/L	650	NV

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SEMIVOLATILES

1,2,4-TRICHLOROBENZENE 10 UG/L UJ
10/02/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062208			062208			062208			062208			062208		
LAB:	IT			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	F-FIL			NONE-UNF			R-UNF			U-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2-DICHLOROBENZENE							10 UG/L		UJ						
1,3-DICHLOROBENZENE							10 UG/L		UJ						
1,4-DICHLOROBENZENE							10 UG/L		UJ						
2,4,5-TRICHLOROPHENOL							50 UG/L		UJ						
2,4,6-TRICHLOROPHENOL							10 UG/L		UJ						
2,4-DICHLOROPHENOL							10 UG/L		UJ						
2,4-DIMETHYLPHENOL							10 UG/L		UJ						
2,4-DINITROPHENOL							50 UG/L		UJ						
2,4-DINITROTOLUENE							10 UG/L		UJ						
2,6-DINITROTOLUENE							10 UG/L		UJ						
2-CHLORONAPHTHALENE							10 UG/L		UJ						
2-CHLOROPHENOL							10 UG/L		UJ						
2-METHYLNAPHTHALENE							10 UG/L		UJ						
2-METHYLPHENOL							10 UG/L		UJ						
2-NITROANILINE							50 UG/L		UJ						
2-NITROPHENOL							10 UG/L		UJ						
3,3'-DICHLOROBENZIDINE							20 UG/L		UJ						
3-NITROANILINE							50 UG/L		UJ						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		UJ						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		UJ						
4-CHLORO-3-METHYLPHENOL							10 UG/L		UJ						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		UJ						
4-METHYLPHENOL							10 UG/L		UJ						
4-NITROANILINE							50 UG/L		UJ						
4-NITROPHENOL							50 UG/L		UJ						
ACENAPHTHENE							10 UG/L		UJ						
ACENAPHTHYLENE							10 UG/L		UJ						
ANTHRACENE							10 UG/L		UJ						
BENZO(A)ANTHRACENE							10 UG/L		UJ						
BENZO(A)PYRENE							10 UG/L		UJ						
BENZO(B)FLUORANTHENE							10 UG/L		UJ						
BENZO(G,H,I)PERYLENE							10 UG/L		UJ						
BENZO(K)FLUORANTHENE							10 UG/L		UJ						
BENZOIC ACID							50 UG/L		UJ						
BENZYL ALCOHOL							10 UG/L		UJ						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		UJ						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		UJ						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		UJ						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		UJ						
BUTYL BENZYL PHTHALATE							10 UG/L		UJ						
CHRYSENE							10 UG/L		UJ						
DI-N-BUTYL PHTHALATE							10 UG/L		UJ						

SAMPLE NUMBER:	062208			062208			062208			062208			062208		
LAB:	IT			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	F-FIL			NONE-UNF			R-UNF			U-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DI-N-OCTYL PHTHALATE							10 UG/L		UJ						
DIBENZO(A,H)ANTHRACENE							10 UG/L		UJ						
DIBENZOFURAN							10 UG/L		UJ						
DIETHYL PHTHALATE							10 UG/L		UJ						
DIMETHYL PHTHALATE							10 UG/L		UJ						
FLUORANTHENE							10 UG/L		UJ						
FLUORENE							10 UG/L		UJ						
HEXACHLOROBENZENE							10 UG/L		UJ						
HEXACHLOROBUTADIENE							10 UG/L		UJ						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		UJ						
HEXACHLOROETHANE							10 UG/L		UJ						
INDENO(1,2,3-CD)PYRENE							10 UG/L		UJ						
ISOPHORONE							10 UG/L		UJ						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		UJ						
N-NITROSODIPHENYLAMINE							10 UG/L		UJ						
NAPHTHALENE							10 UG/L		UJ						
NITROBENZENE							10 UG/L		UJ						
P-CHLOROANILINE							10 UG/L		UJ						
PENTACHLOROPHENOL							50 UG/L		UJ						
PHENANTHRENE							10 UG/L		UJ						
PHENOL							10 UG/L		UJ						
PYRENE							10 UG/L		UJ						
TRIBUTYL PHOSPHATE							10 UG/L		UJ						
VOLATILES															
1,1,1-TRICHLOROETHANE				13 UG/L		J									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,2-TRICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHANE				13 UG/L		-									
1,1-DICHLOROETHENE				2 UG/L		J									
1,2-DICHLOROETHANE				5 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				36 UG/L		J									
1,2-DICHLOROPROPANE				5 UG/L		U									
2-BUTANONE				10 UG/L		UJ									
2-HEXANONE				10 UG/L		UJ									
4-METHYL-2-PENTANONE				10 UG/L		UJ									
ACETONE				10 UG/L		U									
BENZENE				5 UG/L		U									
BROMODICHLOROMETHANE				5 UG/L		U									
BROMOFORM				5 UG/L		U									
BROMOMETHANE				10 UG/L		UJ									
CARBON DISULFIDE				5 UG/L		U									
CARBON TETRACHLORIDE				5 UG/L		U									
CHLOROBENZENE				5 UG/L		U									
CHLOROETHANE				10 UG/L		UJ									
CHLOROFORM				5 UG/L		U									

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SAMPLE NUMBER:	062208			062208			062208			062208			062208		
LAB:	IT			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	F-FIL			NONE-UNF			R-UNF			U-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				5 UG/L		U									
DIBROMOCHLOROMETHANE				5 UG/L		U									
ETHYLBENZENE				5 UG/L		U									
METHYLENE CHLORIDE				5 UG/L		U									
STYRENE				5 UG/L		U									
TETRACHLOROETHENE				2 UG/L		J									
TOLUENE				5 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U									
TRICHLOROETHENE				2 UG/L		J									
VINYL ACETATE				10 UG/L		UJ									
VINYL CHLORIDE				6 UG/L		J									
XYLENES, TOTAL				5 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062218	062218	062218	062218	062031
TASK:	04.06	04.06	04.06	04.06	04.06
LAB:	IT	IT	IT	IT/RSL	IT
WELL OR BORING NUMBER:	1785	1785	1785	1785	1785
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-SEP-92	14-SEP-92	14-SEP-92	14-SEP-92	18-SEP-91
NORTH COORDINATE:	480270.45	480270.45	480270.45	480270.45	480270.45
EAST COORDINATE:	1380260.86	1380260.86	1380260.86	1380260.86	1380260.86
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL
QC OF:	062208	062208	062208	062208	
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	R-UNF	NONE-FIL	F-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	.357 MG/L		-	1.8 MG/L		U							1.06 MG/L		NV
ANTIMONY	.005 MG/L		UJ	.005 MG/L		U							.0877 MG/L		NV
ARSENIC	.0025 MG/L		U	.0025 MG/L		UJ							.002 MG/L		UNV
BARIUM	.0492 MG/L		-	.0459 MG/L		-							.117 MG/L		NV
BERYLLIUM	.002 MG/L		U	.002 MG/L		U							.007 MG/L		NV
CADMIUM	.005 MG/L		U	.005 MG/L		U							.0138 MG/L		NV
CALCIUM	214 MG/L		-	210 MG/L		-							229 MG/L		NV
CHROMIUM	.01 MG/L		UJ	.01 MG/L		UJ							.198 MG/L		NV
COBALT	.01 MG/L		U	.01 MG/L		U							.0302 MG/L		NV
COPPER	.01 MG/L		U	.01 MG/L		U							.0474 MG/L		NV
CYANIDE				.0021 MG/L		-									
IRON	.02 MG/L		U	2.14 MG/L		-							.0804 MG/L		NV
LEAD	.0025 MG/L		U	.0027 MG/L		-							.002 MG/L		UNV
MAGNESIUM	67 MG/L		-	66 MG/L		-							73.5 MG/L		NV
MANGANESE	.253 MG/L		-	.274 MG/L		-							.333 MG/L		NV
MERCURY	.0002 MG/L		U	.0002 MG/L		U							.0002 MG/L		UNV
MOLYBDENUM	.01 MG/L		U	.01 MG/L		U							.0299 MG/L		NV
NICKEL	.02 MG/L		U	.0204 MG/L		-							.0571 MG/L		NV
POTASSIUM	2.2 MG/L		-	2.75 MG/L		-							1.96 MG/L		NV
SELENIUM	.002 MG/L		U	.002 MG/L		U							.002 MG/L		UNV
SILICON	5.81 MG/L		-	7.56 MG/L		-							6.97 MG/L		NV
SILVER	.01 MG/L		UJ	.01 MG/L		UJ							.115 MG/L		NV
SODIUM	23.9 MG/L		-	22.1 MG/L		-							28 MG/L		NV
THALLIUM	.002 MG/L		U	.002 MG/L		U							.002 MG/L		UNV
VANADIUM	.01 MG/L		UJ	.01 MG/L		UJ							.0867 MG/L		NV
ZINC	.018 MG/L		U	.0457 MG/L		U							.0266 MG/L		NV
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									

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SAMPLE NUMBER:	062218			062218			062218			062218			062031		
LAB:	IT			IT			IT			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			R-UNF			NONE-FIL			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.5 UG/L		U									
AROCLOR-1016				.5 UG/L		U									
AROCLOR-1221				.5 UG/L		U									
AROCLOR-1232				.5 UG/L		U									
AROCLOR-1242				.5 UG/L		U									
AROCLOR-1248				.5 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.5 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				1 UG/L		U									
RADIONUCLIDES															
URANIUM-238										9790 PCI/L	2650	J			
URANIUM, TOTAL										27400 UG/L	3700	-			
URANIUM-234										17600 PCI/L	3800	J			
THORIUM-230										6.3 PCI/L	2	J			
RADIUM-226										1 PCI/L		UJ			
URANIUM-235/236										1520 PCI/L	1010	J			
THORIUM-232										.9 PCI/L	.69	J			
THORIUM, TOTAL										8.09 UG/L	6.22	J			
RADIUM-228										3.14 PCI/L	1.96	J			
THORIUM-228										4.1 PCI/L	1.72	J			
NEPTUNIUM-237										1.15 PCI/L	.85	J			
PLUTONIUM-239/240										.97 PCI/L		UJ			
PLUTONIUM-238										.97 PCI/L		UJ			
STRONTIUM-90										3.44 PCI/L	.57	J			
TECHNETIUM-99										2140 PCI/L	230	J			
RUTHENIUM-106										150 PCI/L		UJ			
CESIUM-137										15 PCI/L		UJ			
GROSS ALPHA										22900 PCI/L	2300	NV			
GROSS BETA										6540 PCI/L	660	NV			

SEMIVOLATILES

1,2,4-TRICHLOROBENZENE 10 UG/L UJ

10/02/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	062218			062218			062218			062218			062031		
LAB:	IT			IT			IT			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			R-UNF			NONE-FIL			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2-DICHLOROBENZENE							10 UG/L		UJ						
1,3-DICHLOROBENZENE							10 UG/L		UJ						
1,4-DICHLOROBENZENE							10 UG/L		UJ						
2,4,5-TRICHLOROPHENOL							50 UG/L		UJ						
2,4,6-TRICHLOROPHENOL							10 UG/L		UJ						
2,4-DICHLOROPHENOL							10 UG/L		UJ						
2,4-DIMETHYLPHENOL							10 UG/L		UJ						
2,4-DINITROPHENOL							50 UG/L		UJ						
2,4-DINITROTOLUENE							10 UG/L		UJ						
2,6-DINITROTOLUENE							10 UG/L		UJ						
2-CHLORONAPHTHALENE							10 UG/L		UJ						
2-CHLOROPHENOL							10 UG/L		UJ						
2-METHYLNAPHTHALENE							10 UG/L		UJ						
2-METHYLPHENOL							10 UG/L		UJ						
2-NITROANILINE							50 UG/L		UJ						
2-NITROPHENOL							10 UG/L		UJ						
3,3'-DICHLOROBENZIDINE							20 UG/L		UJ						
3-NITROANILINE							50 UG/L		UJ						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		UJ						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		UJ						
4-CHLORO-3-METHYLPHENOL							10 UG/L		UJ						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		UJ						
4-METHYLPHENOL							10 UG/L		UJ						
4-NITROANILINE							50 UG/L		UJ						
4-NITROPHENOL							50 UG/L		UJ						
ACENAPHTHENE							10 UG/L		UJ						
ACENAPHTHYLENE							10 UG/L		UJ						
ANTHRACENE							10 UG/L		UJ						
BENZO(A)ANTHRACENE							10 UG/L		UJ						
BENZO(A)PYRENE							10 UG/L		UJ						
BENZO(B)FLUORANTHENE							10 UG/L		UJ						
BENZO(G,H,I)PERYLENE							10 UG/L		UJ						
BENZO(K)FLUORANTHENE							10 UG/L		UJ						
BENZOIC ACID							50 UG/L		UJ						
BENZYL ALCOHOL							10 UG/L		UJ						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		UJ						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		UJ						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		UJ						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		UJ						
BUTYL BENZYL PHTHALATE							10 UG/L		UJ						
CHRYSENE							10 UG/L		UJ						
DI-N-BUTYL PHTHALATE							10 UG/L		UJ						

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SAMPLE NUMBER:	062218	062218	062218	062218	062031
LAB:	IT	IT	IT	IT/RSL	IT
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	R-UNF	NONE-FIL	F-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DI-N-OCTYL PHTHALATE							10 UG/L		UJ						
DIBENZO(A,H)ANTHRACENE							10 UG/L		UJ						
DIBENZOFURAN							10 UG/L		UJ						
DIETHYL PHTHALATE							10 UG/L		UJ						
DIMETHYL PHTHALATE							10 UG/L		UJ						
FLUORANTHENE							10 UG/L		UJ						
FLUORENE							10 UG/L		UJ						
HEXACHLOROBENZENE							10 UG/L		UJ						
HEXACHLOROBUTADIENE							10 UG/L		UJ						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		UJ						
HEXACHLOROETHANE							10 UG/L		UJ						
INDENO(1,2,3-CD)PYRENE							10 UG/L		UJ						
ISOPHORONE							10 UG/L		UJ						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		UJ						
N-NITROSODIPHENYLAMINE							10 UG/L		UJ						
NAPHTHALENE							10 UG/L		UJ						
NITROBENZENE							10 UG/L		UJ						
P-CHLOROANILINE							10 UG/L		UJ						
PENTACHLOROPHENOL							50 UG/L		UJ						
PHENANTHRENE							10 UG/L		UJ						
PHENOL							10 UG/L		UJ						
PYRENE							10 UG/L		UJ						
TRIBUTYL PHOSPHATE							10 UG/L		UJ						
VOLATILES															
1,1,1-TRICHLOROETHANE				15 UG/L		J									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,2-TRICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHANE				14 UG/L		-									
1,1-DICHLOROETHENE				2 UG/L		J									
1,2-DICHLOROETHANE				5 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				40 UG/L		J									
1,2-DICHLOROPROPANE				5 UG/L		U									
2-BUTANONE				10 UG/L		UJ									
2-HEXANONE				10 UG/L		UJ									
4-METHYL-2-PENTANONE				10 UG/L		UJ									
ACETONE				10 UG/L		UJ									
BENZENE				5 UG/L		U									
BROMODICHLOROMETHANE				5 UG/L		U									
BROMOFORM				5 UG/L		U									
BROMOMETHANE				10 UG/L		UJ									
CARBON DISULFIDE				5 UG/L		U									
CARBON TETRACHLORIDE				5 UG/L		U									
CHLOROBENZENE				5 UG/L		U									
CHLOROETHANE				10 UG/L		UJ									
CHLOROFORM				5 UG/L		U									

SAMPLE NUMBER:	062218			062218			062218			062218			062031		
LAB:	IT			IT			IT			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			R-UNF			NONE-FIL			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				5 UG/L		U									
DIBROMOCHLOROMETHANE				5 UG/L		U									
ETHYLBENZENE				5 UG/L		U									
METHYLENE CHLORIDE				5 UG/L		U									
STYRENE				5 UG/L		U									
TETRACHLOROETHENE				3 UG/L		J									
TOLUENE				5 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U									
TRICHLOROETHENE				2 UG/L		J									
VINYL ACETATE				10 UG/L		UJ									
VINYL CHLORIDE				7 UG/L		J									
XYLENES, TOTAL				5 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062031	062219	062219	062219	062219
TASK:	04.06	04.06	04.06	04.06	04.06
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1785	1786	1786	1786	1786
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-SEP-91	15-SEP-92	15-SEP-92	15-SEP-92	15-SEP-92
NORTH COORDINATE:	480270.45	480828.53	480828.53	480828.53	480828.53
EAST COORDINATE:	1380260.86	1381681.73	1381681.73	1381681.73	1381681.73
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	DL-UNF	NONE-UNF	R-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	1.09 MG/L		NV	4.55 MG/L		-				5.4 MG/L		-			
ANTIMONY	.0737 MG/L		NV	.005 MG/L		U				.005 MG/L		U			
ARSENIC	.002 MG/L		UNV	.0025 MG/L		UJ				.0035 MG/L		UJ			
BARIUM	.121 MG/L		NV	.0866 MG/L		-				.093 MG/L		-			
BERYLLIUM	.0067 MG/L		NV	.0062 MG/L		-				.0068 MG/L		-			
CADMIUM	.0134 MG/L		NV	.005 MG/L		U				.005 MG/L		U			
CALCIUM	224 MG/L		NV	269 MG/L		-				289 MG/L		-			
CHROMIUM	.191 MG/L		NV	.01 MG/L		UJ				.01 MG/L		UJ			
COBALT	.0286 MG/L		NV	.01 MG/L		U				.01 MG/L		U			
COPPER	.0451 MG/L		NV	.01 MG/L		U				.01 MG/L		U			
CYANIDE	.0046 MG/L		NV							.0572 MG/L		-			
IRON	.185 MG/L		NV	.02 MG/L		U				.989 MG/L		-			
LEAD	.002 MG/L		UNV	.0025 MG/L		U				.004 MG/L		-			
MAGNESIUM	71 MG/L		NV	64.8 MG/L		-				70 MG/L		-			
MANGANESE	.315 MG/L		NV	.96 MG/L		-				1.05 MG/L		-			
MERCURY	.0002 MG/L		UNV	.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM	.0281 MG/L		NV	.01 MG/L		U				.01 MG/L		U			
NICKEL	.0519 MG/L		NV	.0709 MG/L		-				.0772 MG/L		-			
POTASSIUM	1.79 MG/L		NV	18.6 MG/L		-				17.7 MG/L		-			
SELENIUM	.002 MG/L		NV	.002 MG/L		UJ				.002 MG/L		UJ			
SILICON	6.93 MG/L		NV	8.2 MG/L		-				9.18 MG/L		-			
SILVER	.11 MG/L		NV	.0301 MG/L		J				.0429 MG/L		J			
SODIUM	27.8 MG/L		NV	219 MG/L		-				223 MG/L		-			
THALLIUM	.002 MG/L		UNV	.002 MG/L		U				.002 MG/L		U			
VANADIUM	.0838 MG/L		NV	.01 MG/L		UJ				.01 MG/L		UJ			
ZINC	.0242 MG/L		NV	.0468 MG/L		-				.0856 MG/L		-			
PESTICIDES															
4,4'-DDD	.1 UG/L		U							.1 UG/L		UJ			
4,4'-DDE	.1 UG/L		U							.1 UG/L		UJ			
4,4'-DDT	.1 UG/L		U							.1 UG/L		UJ			

SAMPLE NUMBER:	062031			062219			062219			062219			062219		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			DL-UNF			NONE-UNF			R-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALDRIN	.05 UG/L		U							.05 UG/L		UJ			
ALPHA-BHC	.05 UG/L		U							.05 UG/L		UJ			
ALPHA-CHLORDANE	.5 UG/L		U							.5 UG/L		UJ			
AROCLOR-1016	.5 UG/L		U							.5 UG/L		UJ			
AROCLOR-1221	.5 UG/L		U							.5 UG/L		UJ			
AROCLOR-1232	.5 UG/L		U							.5 UG/L		UJ			
AROCLOR-1242	.5 UG/L		U							.5 UG/L		UJ			
AROCLOR-1248	.5 UG/L		U							.5 UG/L		UJ			
AROCLOR-1254	1 UG/L		U							1 UG/L		UJ			
AROCLOR-1260	1 UG/L		U							1 UG/L		UJ			
BETA-BHC	.05 UG/L		U							.05 UG/L		UJ			
DELTA-BHC	.05 UG/L		U							.05 UG/L		UJ			
DIELDRIN	.1 UG/L		U							.1 UG/L		UJ			
ENDOSULFAN II	.1 UG/L		U							.1 UG/L		UJ			
ENDOSULFAN SULFATE	.1 UG/L		U							.1 UG/L		UJ			
ENDOSULFAN-I	.05 UG/L		U							.05 UG/L		UJ			
ENDRIN	.1 UG/L		U							.1 UG/L		UJ			
ENDRIN KETONE	.1 UG/L		U							.1 UG/L		UJ			
GAMMA-BHC (LINDANE)	.05 UG/L		U							.05 UG/L		UJ			
GAMMA-CHLORDANE	.5 UG/L		U							.5 UG/L		UJ			
HEPTACHLOR	.05 UG/L		U							.05 UG/L		UJ			
HEPTACHLOR EPOXIDE	.05 UG/L		U							.05 UG/L		UJ			
METHOXYCHLOR	.5 UG/L		U							.5 UG/L		UJ			
TOXAPHENE	1 UG/L		U							1 UG/L		UJ			
RADIONUCLIDES															
RADIUM-228	3 PCI/L		UNV												
GROSS ALPHA	17700 PCI/L	1800	NV												
GROSS BETA	6890 PCI/L	690	NV												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U										10 UG/L		UJ
1,2-DICHLOROBENZENE	10 UG/L		U										10 UG/L		UJ
1,3-DICHLOROBENZENE	10 UG/L		U										10 UG/L		UJ
1,4-DICHLOROBENZENE	10 UG/L		U										10 UG/L		UJ
2,4,5-TRICHLOROPHENOL	50 UG/L		U										50 UG/L		UJ
2,4,6-TRICHLOROPHENOL	10 UG/L		U										10 UG/L		UJ
2,4-DICHLOROPHENOL	10 UG/L		U										10 UG/L		UJ
2,4-DIMETHYLPHENOL	10 UG/L		U										10 UG/L		UJ
2,4-DINITROPHENOL	50 UG/L		UJ										50 UG/L		UJ
2,4-DINITROTOLUENE	10 UG/L		U										10 UG/L		UJ
2,6-DINITROTOLUENE	10 UG/L		U										10 UG/L		UJ
2-CHLORONAPHTHALENE	10 UG/L		U										10 UG/L		UJ
2-CHLOROPHENOL	10 UG/L		U										10 UG/L		UJ
2-METHYLNAPHTHALENE	10 UG/L		U										10 UG/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062031			062219			062219			062219			062219		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			DL-UNF			NONE-UNF			R-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-METHYLPHENOL	10 UG/L		U										10 UG/L		UJ
2-NITROANILINE	50 UG/L		U										50 UG/L		UJ
2-NITROPHENOL	10 UG/L		U										10 UG/L		UJ
3,3'-DICHLOROBENZIDINE	20 UG/L		U										20 UG/L		UJ
3-NITROANILINE	50 UG/L		UJ										50 UG/L		UJ
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		U										50 UG/L		UJ
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U										10 UG/L		UJ
4-CHLORO-3-METHYLPHENOL	10 UG/L		U										10 UG/L		UJ
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U										10 UG/L		UJ
4-METHYLPHENOL	10 UG/L		U										10 UG/L		UJ
4-NITROANILINE	50 UG/L		U										50 UG/L		UJ
4-NITROPHENOL	50 UG/L		U										50 UG/L		UJ
ACENAPHTHENE	10 UG/L		U										10 UG/L		UJ
ACENAPHTHYLENE	10 UG/L		U										10 UG/L		UJ
ANTHRACENE	10 UG/L		U										10 UG/L		UJ
BENZO(A)ANTHRACENE	10 UG/L		U										10 UG/L		UJ
BENZO(A)PYRENE	10 UG/L		U										10 UG/L		UJ
BENZO(B)FLUORANTHENE	10 UG/L		U										10 UG/L		UJ
BENZO(G,H,I)PERYLENE	10 UG/L		U										10 UG/L		UJ
BENZO(K)FLUORANTHENE	10 UG/L		U										10 UG/L		UJ
BENZOIC ACID	50 UG/L		UJ										50 UG/L		UJ
BENZYL ALCOHOL	10 UG/L		U										10 UG/L		UJ
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U										10 UG/L		UJ
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U										10 UG/L		UJ
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U										10 UG/L		UJ
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U										10 UG/L		UJ
BUTYL BENZYL PHTHALATE	10 UG/L		U										10 UG/L		UJ
CHRYSENE	10 UG/L		U										10 UG/L		UJ
DI-N-BUTYL PHTHALATE	10 UG/L		U										10 UG/L		UJ
DI-N-OCTYL PHTHALATE	10 UG/L		U										10 UG/L		UJ
DIBENZO(A,H)ANTHRACENE	10 UG/L		U										10 UG/L		UJ
DIBENZOFURAN	10 UG/L		U										10 UG/L		UJ
DIETHYL PHTHALATE	10 UG/L		U										10 UG/L		UJ
DIMETHYL PHTHALATE	10 UG/L		U										10 UG/L		UJ
FLUORANTHENE	10 UG/L		U										10 UG/L		UJ
FLUORENE	10 UG/L		U										10 UG/L		UJ
HEXACHLOROBENZENE	10 UG/L		U										10 UG/L		UJ
HEXACHLOROBUTADIENE	10 UG/L		U										10 UG/L		UJ
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U										10 UG/L		UJ
HEXACHLOROETHANE	10 UG/L		U										10 UG/L		UJ
INDENO(1,2,3-CD)PYRENE	10 UG/L		U										10 UG/L		UJ
ISOPHORONE	10 UG/L		U										10 UG/L		UJ
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U										10 UG/L		UJ
N-NITROSODIPHENYLAMINE	10 UG/L		U										10 UG/L		UJ
NAPHTHALENE	10 UG/L		U										10 UG/L		UJ
NITROBENZENE	10 UG/L		U										10 UG/L		UJ

SAMPLE NUMBER:	062031			062219			062219			062219			062219		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			DL-UNF			NONE-UNF			R-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
P-CHLOROANILINE	10 UG/L		UJ										10 UG/L		UJ
PENTACHLOROPHENOL	50 UG/L		U										50 UG/L		UJ
PHENANTHRENE	10 UG/L		U										10 UG/L		UJ
PHENOL	10 UG/L		U										10 UG/L		UJ
PYRENE	10 UG/L		U										10 UG/L		UJ
TRIBUTYL PHOSPHATE	10 UG/L		U										10 UG/L		UJ
VOLATILES															
1,1,1-TRICHLOROETHANE	15 UG/L		-							58 UG/L		J			
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U							5 UG/L		U			
1,1,2-TRICHLOROETHANE	5 UG/L		U							1 UG/L		J			
1,1-DICHLOROETHANE	11 UG/L		J							5 UG/L		-			
1,1-DICHLOROETHENE	2 UG/L		J							18 UG/L		-			
1,2-DICHLOROETHANE	5 UG/L		U							5 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)	35 UG/L		J							28 UG/L		-			
1,2-DICHLOROPROPANE	5 UG/L		U							5 UG/L		U			
2-BUTANONE	10 UG/L		UJ							10 UG/L		UJ			
2-HEXANONE	10 UG/L		U							10 UG/L		UJ			
4-METHYL-2-PENTANONE	10 UG/L		U							10 UG/L		UJ			
ACETONE	35 UG/L		UJ							10 UG/L		UJ			
BENZENE	5 UG/L		UJ							5 UG/L		U			
BROMODICHLOROMETHANE	5 UG/L		U							5 UG/L		U			
BROMOFORM	5 UG/L		U							5 UG/L		U			
BROMOMETHANE	10 UG/L		U							10 UG/L		UJ			
CARBON DISULFIDE	5 UG/L		U							5 UG/L		U			
CARBON TETRACHLORIDE	5 UG/L		U							5 UG/L		U			
CHLOROBENZENE	5 UG/L		UJ							5 UG/L		U			
CHLOROETHANE	10 UG/L		U							10 UG/L		UJ			
CHLOROFORM	5 UG/L		U							5 UG/L		U			
CHLOROMETHANE	10 UG/L		U							10 UG/L		U			
CIS-1,3-DICHLOROPROPENE	5 UG/L		U							5 UG/L		U			
DIBROMOCHLOROMETHANE	5 UG/L		U							5 UG/L		U			
ETHYLBENZENE	5 UG/L		UJ							5 UG/L		U			
METHYLENE CHLORIDE	5 UG/L		U							5 UG/L		U			
STYRENE	5 UG/L		UJ							5 UG/L		U			
TETRACHLOROETHENE	5 UG/L		U				220 UG/L		J						
TOLUENE	5 UG/L		U							5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U							5 UG/L		U			
TRICHLOROETHENE	1 UG/L		J				10000 UG/L		-						
VINYL ACETATE	10 UG/L		U							10 UG/L		UJ			
VINYL CHLORIDE	5 UG/L		J							10 UG/L		U			
XYLENES, TOTAL	5 UG/L		UJ							5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062219	066219	099094	099094	099094
TASK:	04.06	9.24	50.03.07	50.03.07	50.03.07
LAB:	IT/RSL	WMCO	IT-KNOX	IT-KNOX	IT/RSL
WELL OR BORING NUMBER:	1786	1786	1836	1836	1836
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-SEP-92	15-SEP-92	03-DEC-92	03-DEC-92	03-DEC-92
NORTH COORDINATE:	480828.53	480828.53	481090.87	481090.87	481090.87
EAST COORDINATE:	1381681.73	1381681.73	1378734.69	1378734.69	1378734.69
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										426.5 MG/L		-			
AMMONIA										.1 MG/L		-			
CHLORIDE										18.2 MG/L		-			
FLUORIDE										.215 MG/L		-			
NITRATE										3 MG/L		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.066 MG/L		-			
SULFATE										221 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.03 MG/L		-			
INORGANICS															
ALUMINUM							1.59 MG/L		J						
ANTIMONY							.005 MG/L		U						
ARSENIC							.002 MG/L		U						
BARIUM							.101 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.005 MG/L		U						
CALCIUM							196 MG/L		-						
CHROMIUM							.01 MG/L		U						
COBALT							.01 MG/L		U						
COPPER							.01 MG/L		U						
CYANIDE										.002 MG/L		U			
IRON							2.56 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							57.6 MG/L		-						
MANGANESE							.0578 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.02 MG/L		U						

SAMPLE NUMBER:	062219			066219			099094			099094			099094		
LAB:	IT/RSL			WMCO			IT-KNOX			IT-KNOX			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL							.02 MG/L		U						
POTASSIUM							1.29 MG/L		-						
SELENIUM							.002 MG/L		U						
SILICON							10.9 MG/L		-						
SILVER							.01 MG/L		U						
SODIUM							9.99 MG/L		-						
THALLIUM							.002 MG/L		U						
VANADIUM							.01 MG/L		U						
ZINC							.0165 MG/L		-						
PESTICIDES															
4,4'-DDD										.1 UG/L		U			
4,4'-DDE										.1 UG/L		U			
4,4'-DDT										.1 UG/L		U			
ALDRIN										.05 UG/L		U			
ALPHA-BHC										.05 UG/L		U			
ALPHA-CHLORDANE										.5 UG/L		U			
AROCLOR-1016										.5 UG/L		U			
AROCLOR-1221										.5 UG/L		U			
AROCLOR-1232										.5 UG/L		U			
AROCLOR-1242										.5 UG/L		U			
AROCLOR-1248										.5 UG/L		U			
AROCLOR-1254										1 UG/L		U			
AROCLOR-1260										1 UG/L		U			
BETA-BHC										.05 UG/L		U			
DELTA-BHC										.05 UG/L		U			
DIELDRIN										.1 UG/L		U			
ENDOSULFAN II										.1 UG/L		U			
ENDOSULFAN SULFATE										.1 UG/L		UJ			
ENDOSULFAN-I										.05 UG/L		U			
ENDRIN										.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)										.05 UG/L		U			
GAMMA-CHLORDANE										.5 UG/L		U			
HEPTACHLOR										.05 UG/L		U			
HEPTACHLOR EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.5 UG/L		U			
TOXAPHENE										1 UG/L		U			
RADIONUCLIDES															
URANIUM-238	102 PCI/L	34	J										112 PCI/L	18	-
URANIUM, TOTAL	436000 UG/L	65000	J	11000 UG/L		NV							22.9 UG/L	3.2	-
URANIUM-234	172 PCI/L	47	J										104 PCI/L	18	J
THORIUM-230	.59 PCI/L	.29	J												
RADIUM-226	3.75 PCI/L	.68	-										1 PCI/L		UJ

000149

6417

SAMPLE NUMBER:	062219			066219			099094			099094			099094		
LAB:	IT/RSL			WMCO			IT-KNOX			IT-KNOX			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-235/236	76.6 PCI/L	31.6	J										4.45 PCI/L	1.24	J
THORIUM-232	.2 PCI/L		UJ												
THORIUM, TOTAL	1.8 UG/L		UJ	23000 UG/L		NV									
RADIUM-228	14.4 PCI/L	2.6	J										3 PCI/L		UJ
THORIUM-228	.42 PCI/L	.25	J												
NEPTUNIUM-237	.5 PCI/L	.19	UJ										.5 PCI/L		UJ
PLUTONIUM-239/240	.5 PCI/L	.13	UJ										.5 PCI/L		UJ
PLUTONIUM-238	.5 PCI/L	.08	UJ										.5 PCI/L		UJ
STRONTIUM-90	1 PCI/L		UJ										1 PCI/L		UJ
TECHNETIUM-99	886 PCI/L	92	J										219 PCI/L	2.8	J
RUTHENIUM-106	150 PCI/L		UJ										150 PCI/L		UJ
CESIUM-137	14 PCI/L		UJ										17 PCI/L		UJ
GROSS ALPHA	236000 PCI/L	24000	NV										11.7 PCI/L	8.2	NV
GROSS BETA	80300 PCI/L	8100	NV										117 PCI/L	16	NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		U			
1,2-DICHLOROBENZENE										10 UG/L		U			
1,3-DICHLOROBENZENE										10 UG/L		U			
1,4-DICHLOROBENZENE										10 UG/L		U			
2,4,5-TRICHLOROPHENOL										50 UG/L		U			
2,4,6-TRICHLOROPHENOL										10 UG/L		U			
2,4-DICHLOROPHENOL										10 UG/L		U			
2,4-DIMETHYLPHENOL										10 UG/L		U			
2,4-DINITROPHENOL										50 UG/L		U			
2,4-DINITROTOLUENE										10 UG/L		U			
2,6-DINITROTOLUENE										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		U			
2-CHLOROPHENOL										10 UG/L		U			
2-METHYLNAPHTHALENE										10 UG/L		U			
2-METHYLPHENOL										10 UG/L		U			
2-NITROANILINE										50 UG/L		U			
2-NITROPHENOL										10 UG/L		U			
3,3'-DICHLOROBENZIDINE										20 UG/L		U			
3-NITROANILINE										50 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL										50 UG/L		U			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLORO-3-METHYLPHENOL										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			
4-NITROANILINE										50 UG/L		U			
4-NITROPHENOL										50 UG/L		U			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		U			
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			

SAMPLE NUMBER:	062219			066219			099094			099094			099094		
LAB:	IT/RSL			WMCO			IT-KNOX			IT-KNOX			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		U			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			
BENZOIC ACID										50 UG/L		U			
BENZYL ALCOHOL										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE										10 UG/L		U			
BUTYL BENZYL PHTHALATE										10 UG/L		U			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										10 UG/L		U			
DI-N-OCTYL PHTHALATE										10 UG/L		U			
DIBENZO(A,H)ANTHRACENE										10 UG/L		U			
DIBENZOFURAN										10 UG/L		U			
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		U			
HEXACHLOROBENZENE										10 UG/L		U			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		U			
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		U			
ISOPHORONE										10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		U			
PENTACHLOROPHENOL										50 UG/L		U			
PHENANTHRENE										10 UG/L		U			
PHENOL										10 UG/L		U			
PYRENE										10 UG/L		U			
TRIBUTYL PHOSPHATE										10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			

6417

SAMPLE NUMBER:	062219			066219			099094			099094			099094		
LAB:	IT/RSL			WMCO			IT-KNOX			IT-KNOX			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		UJ			
4-METHYL-2-PENTANONE										10 UG/L		UJ			
ACETONE										10 UG/L		UJ			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		UJ			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		UJ			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL ACETATE										10 UG/L		UJ			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099095	098965	098965	098966	123358
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	10.03.08
LAB:	FERMCO	IT	IT	WMCO	IT
WELL OR BORING NUMBER:	1836	1836	1836	1836	1836
DEPTH:	-	-	-	-	0-17
DATE COLLECTED:	03-DEC-92	07-AUG-92	07-AUG-92	07-AUG-92	12-JUL-93
NORTH COORDINATE:	481090.87	481090.87	481090.87	481090.87	481090.87
EAST COORDINATE:	1378734.69	1378734.69	1378734.69	1378734.69	1378734.69
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		-						
CHLORIDE							20.9 MG/L		-						
FLUORIDE							.23 MG/L		-						
NITRATE							3.94 MG/L		-						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.19 MG/L		-						
SULFATE							123 MG/L		-						
SULFIDE							.5 MG/L		U						
TOTAL ORGANIC CARBON							1 MG/L		U						
TOTAL ORGANIC HALIDES							.01 MG/L		U						
TOTAL ORGANIC NITROGEN							.17 MG/L		-						
INORGANICS															
ALUMINUM				.03 MG/L		U									
ARSENIC				.0025 MG/L		UJ									
BARIUM				.107 MG/L		-									
CADMIUM				.005 MG/L		UJ									
CALCIUM				198 MG/L		-									
CHROMIUM				.01 MG/L		U									
COPPER				.01 MG/L		U									
IRON				.02 MG/L		U									
LEAD				.0025 MG/L		U									
MAGNESIUM				58.9 MG/L		-									
MANGANESE				.0228 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.01 MG/L		U							.02 MG/L		U
NICKEL				.02 MG/L		U									
POTASSIUM				.992 MG/L		-									
SELENIUM				.002 MG/L		U									
SILICON				9.29 MG/L		-									
SILVER				.01 MG/L		UJ									

00453

6417

SAMPLE NUMBER:	099095			098965			098965			098966			123358		
LAB:	FERMCO			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SODIUM				11.5 MG/L		-									
VANADIUM				.01 MG/L		U									
RADIONUCLIDES															
URANIUM-238				10.3 PCI/L	1.5	J									
URANIUM, TOTAL	21 UG/L		NV	27.9 UG/L	4	-				25 UG/L		NV			
URANIUM-234				6.93 PCI/L	1.14	J									
THORIUM-230				1 PCI/L		U									
RADIUM-226				1 PCI/L		U									
URANIUM-235/236				1 PCI/L		U									
THORIUM-232				1 PCI/L		U									
THORIUM, TOTAL				2.5 UG/L		U									
RADIUM-228				3 PCI/L		U									
THORIUM-228				1.3 PCI/L	.54	J									
NEPTUNIUM-237				1 PCI/L		UJ							.5 PCI/L	.159	UJ
PLUTONIUM-239/240				1 PCI/L		U							.5 PCI/L	.068	UJ
PLUTONIUM-238				1 PCI/L		U							.5 PCI/L	.087	UJ
STRONTIUM-90				5 PCI/L		UJ							1 PCI/L	.356	UJ
TECHNETIUM-99				248 PCI/L	33	J									
RUTHENIUM-106				150 PCI/L		U							150 PCI/L		UJ
CESIUM-137				20 PCI/L		U							9.36 PCI/L		UJ
GROSS ALPHA				14.9 PCI/L	8.3	NV									
GROSS BETA				125 PCI/L	16	NV									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		UJ
1,2-DICHLOROBENZENE													10 UG/L		UJ
1,3-DICHLOROBENZENE													10 UG/L		UJ
1,4-DICHLOROBENZENE													10 UG/L		UJ
2,4,5-TRICHLOROPHENOL													25 UG/L		UJ
2,4,6-TRICHLOROPHENOL													10 UG/L		UJ
2,4-DICHLOROPHENOL													10 UG/L		UJ
2,4-DIMETHYLPHENOL													10 UG/L		UJ
2,4-DINITROPHENOL													25 UG/L		UJ
2,4-DINITROTOLUENE													10 UG/L		UJ
2,6-DINITROTOLUENE													10 UG/L		UJ
2-CHLORONAPHTHALENE													10 UG/L		UJ
2-CHLOROPHENOL													10 UG/L		UJ
2-METHYLNAPHTHALENE													10 UG/L		UJ
2-METHYLPHENOL													10 UG/L		UJ
2-NITROANILINE													25 UG/L		UJ
2-NITROPHENOL													10 UG/L		UJ
3,3'-DICHLOROBENZIDINE													10 UG/L		UJ
3-NITROANILINE													25 UG/L		UJ
4,6-DINITRO-2-METHYLPHENOL													25 UG/L		UJ

SAMPLE NUMBER:	099095			098965			098965			098966			123358		
LAB:	FERMCO			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-BROMOPHENYL PHENYL ETHER													10 UG/L		UJ
4-CHLORO-3-METHYLPHENOL													10 UG/L		UJ
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		UJ
4-METHYLPHENOL													10 UG/L		UJ
4-NITROANILINE													25 UG/L		UJ
4-NITROPHENOL													25 UG/L		UJ
ACENAPHTHENE													10 UG/L		UJ
ACENAPHTHYLENE													10 UG/L		UJ
ANTHRACENE													10 UG/L		UJ
BENZO(A)ANTHRACENE													10 UG/L		UJ
BENZO(A)PYRENE													10 UG/L		UJ
BENZO(B)FLUORANTHENE													10 UG/L		UJ
BENZO(G,H,I)PERYLENE													10 UG/L		UJ
BENZO(K)FLUORANTHENE													10 UG/L		UJ
BENZOIC ACID													50 UG/L		UJ
BENZYL ALCOHOL													10 UG/L		UJ
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		UJ
BIS(2-CHLOROETHYL)ETHER													10 UG/L		UJ
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		UJ
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		UJ
BUTYL BENZYL PHTHALATE													10 UG/L		UJ
CARBAZOLE													10 UG/L		UJ
CHRYSENE													10 UG/L		UJ
DI-N-BUTYL PHTHALATE													10 UG/L		UJ
DI-N-OCTYL PHTHALATE													10 UG/L		UJ
DIBENZO(A,H)ANTHRACENE													10 UG/L		UJ
DIBENZOFURAN													10 UG/L		UJ
DIETHYL PHTHALATE													10 UG/L		UJ
DIMETHYL PHTHALATE													10 UG/L		UJ
FLUORANTHENE													10 UG/L		UJ
FLUORENE													10 UG/L		UJ
HEXACHLOROBENZENE													10 UG/L		UJ
HEXACHLOROBUTADIENE													10 UG/L		UJ
HEXACHLOROCYCLOPENTADIENE													10 UG/L		UJ
HEXACHLOROETHANE													10 UG/L		UJ
INDENO(1,2,3-CD)PYRENE													10 UG/L		UJ
ISOPHORONE													10 UG/L		UJ
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		UJ
N-NITROSODIPHENYLAMINE													10 UG/L		UJ
NAPHTHALENE													10 UG/L		UJ
NITROBENZENE													10 UG/L		UJ
P-CHLOROANILINE													10 UG/L		UJ
PENTACHLOROPHENOL													25 UG/L		UJ
PHENANTHRENE													10 UG/L		UJ
PHENOL							.01 MG/L		U				10 UG/L		UJ
PYRENE													10 UG/L		UJ

000456

SAMPLE NUMBER:	099095			098965			098965			098966			123358		
LAB:	FERMCO			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		UJ						
4-METHYL-2-PENTANONE							10 UG/L		UJ						
ACETONE							10 UG/L		UJ						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099097	099098	099098	098960	098963
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT-KNOX	IT-KNOX	IT/RSL	IT	IT
WELL OR BORING NUMBER:	1837	1837	1837	1837	1837
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-DEC-92	04-DEC-92	04-DEC-92	05-AUG-92	06-AUG-92
NORTH COORDINATE:	480839.19	480839.19	480839.19	480839.19	480839.19
EAST COORDINATE:	1378727.1	1378727.1	1378727.1	1378727.1	1378727.1
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U									
CHLORIDE													15.5 MG/L		-
FLUORIDE													.36 MG/L		-
NITRATE				.13 MG/L		-				.3 MG/L		-			
PHENOLS				.01 MG/L		U				.01 MG/L		U			
PHOSPHORUS				.072 MG/L		-									
SULFATE													112.4 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL ORGANIC NITROGEN				.15 MG/L		-									
INORGANICS															
ALUMINUM	1.37 MG/L		-												
ANTIMONY	.005 MG/L		U												
ARSENIC	.0021 MG/L		-												
BARIUM	.0901 MG/L		-												
BERYLLIUM	.002 MG/L		U												
CADMIUM	.005 MG/L		U												
CALCIUM	172 MG/L		-												
CHROMIUM	.0169 MG/L		-												
COBALT	.01 MG/L		U												
COPPER	.01 MG/L		U												
CYANIDE	.0099 MG/L		-												
IRON	2.39 MG/L		-												
LEAD	.002 MG/L		U												
MAGNESIUM	59.4 MG/L		-												
MANGANESE	.1 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.02 MG/L		U												
NICKEL	.0206 MG/L		-												
POTASSIUM	2.23 MG/L		-												
SELENIUM	.002 MG/L		U												

SAMPLE NUMBER:	099097			099098			099098			098960			098963		
LAB:	IT-KNOX			IT-KNOX			IT/RSL			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SILICON	9.76 MG/L		-												
SILVER	.01 MG/L		U												
SODIUM	32.7 MG/L		-												
THALLIUM	.002 MG/L		U												
VANADIUM	.01 MG/L		U												
ZINC	.0203 MG/L		-												
RADIONUCLIDES															
URANIUM-238							9.94 PCI/L	1.74	-						
URANIUM, TOTAL							9.88 UG/L	1.4	-						
URANIUM-234							9.67 PCI/L	1.7	J						
RADIUM-226							1 PCI/L	.12	UJ						
URANIUM-235/236							.3 PCI/L		UJ						
RADIUM-228							3 PCI/L		UJ						
NEPTUNIUM-237							.5 PCI/L		UJ						
PLUTONIUM-239/240							.5 PCI/L		UJ						
PLUTONIUM-238							.5 PCI/L	.11	UJ						
STRONTIUM-90							1 PCI/L		UJ						
TECHNETIUM-99							22 PCI/L	14	J						
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							14 PCI/L		UJ						
GROSS ALPHA							14.2 PCI/L	9.4	NV						
GROSS BETA							16.4 PCI/L	6.7	NV						
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		UJ												
4-METHYL-2-PENTANONE	10 UG/L		UJ												
ACETONE	10 UG/L		UJ												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		UJ												

SAMPLE NUMBER:	099097			099098			099098			098960			098963		
LAB:	IT-KNOX			IT-KNOX			IT/RSL			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		UJ												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL ACETATE	10 UG/L		UJ												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098967	098968	098969	099100	099100
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT	IT	WMCO	IT-KNOX	IT/MWL
WELL OR BORING NUMBER:	1837	1837	1837	1837	1837
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-AUG-92	08-AUG-92	08-AUG-92	08-DEC-92	08-DEC-92
NORTH COORDINATE:	480839.19	480839.19	480839.19	480839.19	480839.19
EAST COORDINATE:	1378727.1	1378727.1	1378727.1	1378727.1	1378727.1
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
TOTAL ORGANIC CARBON										3.4 MG/L		-			
TOTAL ORGANIC HALIDES										.034 MG/L		U			
INORGANICS															
ALUMINUM	.03 MG/L		-												
ARSENIC	.0025 MG/L		U												
BARIUM	.069 MG/L		-												
CADMIUM	.005 MG/L		UJ												
CALCIUM	146 MG/L		-												
CHROMIUM	.01 MG/L		U												
COPPER	.01 MG/L		U												
IRON	.02 MG/L		U												
LEAD	.0025 MG/L		U												
MAGNESIUM	51.7 MG/L		-												
MANGANESE	.0437 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.01 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	2.02 MG/L		-												
SELENIUM	.002 MG/L		U												
SILICON	8.53 MG/L		-												
SILVER	.01 MG/L		UJ												
SODIUM	13 MG/L		-												
VANADIUM	.01 MG/L		U												
PESTICIDES															
4,4'-DDD										.1 UG/L		U			
4,4'-DDE										.1 UG/L		U			
4,4'-DDT										.1 UG/L		U			
ALDRIN										.05 UG/L		U			

SAMPLE NUMBER:	098967			098968			098969			099100			099100		
LAB:	IT			IT			WMCO			IT-KNOX			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALPHA-BHC										.05 UG/L		U			
ALPHA-CHLORDANE										.5 UG/L		U			
AROCLOR-1016										.5 UG/L		U			
AROCLOR-1221										.5 UG/L		U			
AROCLOR-1232										.5 UG/L		U			
AROCLOR-1242										.5 UG/L		U			
AROCLOR-1248										.5 UG/L		U			
AROCLOR-1254										1 UG/L		U			
AROCLOR-1260										1 UG/L		U			
BETA-BHC										.05 UG/L		U			
DELTA-BHC										.05 UG/L		U			
DIELDRIN										.1 UG/L		U			
ENDOSULFAN II										.1 UG/L		U			
ENDOSULFAN SULFATE										.1 UG/L		U			
ENDOSULFAN-I										.05 UG/L		U			
ENDRIN										.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)										.05 UG/L		U			
GAMMA-CHLORDANE										.5 UG/L		U			
HEPTACHLOR										.05 UG/L		U			
HEPTACHLOR EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.5 UG/L		U			
TOXAPHENE										1 UG/L		UJ			
RADIONUCLIDES															
URANIUM, TOTAL							9.5 UG/L		NV						
GROSS ALPHA				8.99 PCI/L	5.96	NV									
GROSS BETA				52.1 PCI/L	8.6	NV									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		U			
1,2-DICHLOROBENZENE										10 UG/L		U			
1,3-DICHLOROBENZENE										10 UG/L		U			
1,4-DICHLOROBENZENE										10 UG/L		U			
2,4,5-TRICHLOROPHENOL										50 UG/L		U			
2,4,6-TRICHLOROPHENOL										10 UG/L		U			
2,4-DICHLOROPHENOL										10 UG/L		U			
2,4-DIMETHYLPHENOL										10 UG/L		U			
2,4-DINITROPHENOL										50 UG/L		UJ			
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		U			
2-CHLOROPHENOL										10 UG/L		U			
2-METHYLNAPHTHALENE										10 UG/L		U			
2-METHYLPHENOL										10 UG/L		U			

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SAMPLE NUMBER:	098967			098968			098969			099100			099100		
LAB:	IT			IT			WMCO			IT-KNOX			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-NITROANILINE										50 UG/L		U			
2-NITROPHENOL										10 UG/L		U			
3,3'-DICHLOROBENZIDINE										20 UG/L		U			
3-NITROANILINE										50 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL										50 UG/L		U			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLORO-3-METHYLPHENOL										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			
4-NITROANILINE										50 UG/L		U			
4-NITROPHENOL										50 UG/L		U			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		U			
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		U			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			
BENZOIC ACID										50 UG/L		UJ			
BENZYL ALCOHOL										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE										10 UG/L		U			
BUTYL BENZYL PHTHALATE										10 UG/L		U			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										10 UG/L		U			
DI-N-OCTYL PHTHALATE										10 UG/L		U			
DIBENZO(A,H)ANTHRACENE										10 UG/L		U			
DIBENZOFURAN										10 UG/L		U			
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		U			
HEXACHLOROBENZENE										10 UG/L		U			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		U			
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		U			
ISOPHORONE										10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		U			

SAMPLE NUMBER:	098967			098968			098969			099100			099100		
LAB:	IT			IT			WMCO			IT-KNOX			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PENTACHLOROPHENOL										50 UG/L		U			
PHENANTHRENE										10 UG/L		U			
PHENOL										10 UG/L		U			
PYRENE										10 UG/L		U			
TRIBUTYL PHOSPHATE										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098970	099105	099106	098957	098958
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT	IT-KNOX	FERMCO	IT	IT
WELL OR BORING NUMBER:	1837	1837	1837	1837	1838
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-AUG-92	09-DEC-92	09-DEC-92	31-JUL-92	05-AUG-92
NORTH COORDINATE:	480839.19	480839.19	480839.19	480839.19	481173
EAST COORDINATE:	1378727.1	1378727.1	1378727.1	1378727.1	1378540.7
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				488 MG/L		-									
AMMONIA										.13 MG/L		J			
CHLORIDE				23 MG/L		-									
FLUORIDE				.27 MG/L		-									
PHOSPHORUS										.1 MG/L		J			
SULFATE				292 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON										1.58 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.1 MG/L		U			
INORGANICS															
ALUMINUM													.0471 MG/L		-
ARSENIC													.0032 MG/L		-
BARIUM													.0928 MG/L		-
CADMIUM													.005 MG/L		UJ
CALCIUM													103 MG/L		-
CHROMIUM													.01 MG/L		U
COPPER													.01 MG/L		U
IRON													.02 MG/L		U
LEAD													.0025 MG/L		U
MAGNESIUM													48.5 MG/L		-
MANGANESE													.292 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.0131 MG/L		-
NICKEL													.02 MG/L		U
POTASSIUM													2.7 MG/L		-
SELENIUM													.002 MG/L		U
SILICON													8.08 MG/L		-
SILVER													.01 MG/L		UJ
SODIUM													12.6 MG/L		-

SAMPLE NUMBER:	098970			099105			099106			098957			098958		
LAB:	IT			IT-KNOX			FERMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
VANADIUM													.01 MG/L		U
RADIONUCLIDES															
URANIUM-238	5.52 PCI/L	1.01	J										103 PCI/L	13	-
URANIUM, TOTAL	10 UG/L	1.5	-				9.6 UG/L		NV				291 UG/L	42	-
URANIUM-234	5.82 PCI/L	1.05	J										38.3 PCI/L	5.5	-
THORIUM-230	1 PCI/L		U										1 PCI/L		UJ
RADIUM-226	1 PCI/L		U										1 PCI/L		R
URANIUM-235/236	1 PCI/L		U										2.39 PCI/L	.9	-
THORIUM-232	1 PCI/L		U										1 PCI/L		UJ
THORIUM, TOTAL	2.4 UG/L		U										2.9 UG/L		UJ
RADIUM-228	3 PCI/L		U										3 PCI/L		UJ
THORIUM-228	1 PCI/L		U										1.18 PCI/L	.55	J
NEPTUNIUM-237													1 PCI/L		UJ
PLUTONIUM-239/240	1 PCI/L		U										1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U										1 PCI/L		U
STRONTIUM-90	5 PCI/L		UJ										1.32 PCI/L	.44	-
TECHNETIUM-99	99.7 PCI/L	18.2	J										30 PCI/L		U
RUTHENIUM-106	150 PCI/L		U										150 PCI/L		U
CESIUM-137	20 PCI/L		U										20 PCI/L		U
GROSS ALPHA													103 PCI/L	19	NV
GROSS BETA													62.7 PCI/L	8.8	NV
SEMIVOLATILES															
CUMENE										5 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE										5 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										5 UG/L		U			
1,1,2-TRICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHENE										5 UG/L		U			
1,2-DICHLOROETHANE										5 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										5 UG/L		U			
1,2-DICHLOROPROPANE										5 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										5 UG/L		U			
BROMODICHLOROMETHANE										5 UG/L		U			
BROMOFORM										5 UG/L		U			
BROMOMETHANE										10 UG/L		UJ			
CARBON DISULFIDE										5 UG/L		U			

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SAMPLE NUMBER:	098970			099105			099106			098957			098958		
LAB:	IT			IT-KNOX			FERMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE										5 UG/L		U			
CHLOROBENZENE										5 UG/L		U			
CHLOROETHANE										10 UG/L		UJ			
CHLOROFORM										5 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										5 UG/L		U			
DIBROMOCHLOROMETHANE										5 UG/L		U			
ETHYLBENZENE										5 UG/L		U			
METHYLENE CHLORIDE										5 UG/L		U			
STYRENE										5 UG/L		U			
TETRACHLOROETHENE										5 UG/L		U			
TOLUENE										5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		U			
TRICHLOROETHENE										5 UG/L		U			
VINYL ACETATE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098958	098961	123360	123360	099091
TASK:	50.03.07	50.03.07	10.03.08	10.03.08	50.03.07
LAB:	IT	WMCO	IT	IT/RSL	IT-KNOX
WELL OR BORING NUMBER:	1838	1838	1838	1838	1838
DEPTH:	-	-	0-19	0-19	-
DATE COLLECTED:	05-AUG-92	05-AUG-92	13-JUL-93	13-JUL-93	24-NOV-92
NORTH COORDINATE:	481173	481173	481173	481173	481173
EAST COORDINATE:	1378540.7	1378540.7	1378540.7	1378540.7	1378540.7
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													440 MG/L		UJ
AMMONIA	.32 MG/L		J										.1 MG/L		U
CHLORIDE	47.03 MG/L		-										45.05 MG/L		-
FLUORIDE	1.08 MG/L		-										1.2 MG/L		-
NITRATE	.1 MG/L		U										.1 MG/L		U
PHENOLS	.01 MG/L		U										.01 MG/L		U
PHOSPHORUS	1.68 MG/L		J										2.63 MG/L		-
SULFATE	27.1 MG/L		-										81.5 MG/L		-
SULFIDE	1.28 MG/L		-										.5 MG/L		U
TOTAL ORGANIC CARBON	1.19 MG/L		-										1.74 MG/L		-
TOTAL ORGANIC HALIDES	.0241 MG/L		-										.01 MG/L		U
TOTAL ORGANIC NITROGEN	.19 MG/L		-										2.06 MG/L		-
INORGANICS															
MOLYBDENUM							.02 MG/L		U						
PESTICIDES															
4,4'-DDD													.1 UG/L		U
4,4'-DDE													.1 UG/L		U
4,4'-DDT													.1 UG/L		U
ALDRIN													.05 UG/L		U
ALPHA-BHC													.05 UG/L		U
ALPHA-CHLORDANE													.5 UG/L		U
AROCLOR-1016													.5 UG/L		U
AROCLOR-1221													.5 UG/L		U
AROCLOR-1232													.5 UG/L		U
AROCLOR-1242													.5 UG/L		U
AROCLOR-1248													.5 UG/L		U
AROCLOR-1254													1 UG/L		U
AROCLOR-1260													1 UG/L		U

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SAMPLE NUMBER:	098958			098961			123360			123360			099091		
LAB:	IT			WMCO			IT			IT/RSL			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
BETA-BHC													.05 UG/L		U
DELTA-BHC													.05 UG/L		U
DIELDRIN													.1 UG/L		U
ENDOSULFAN II													.1 UG/L		U
ENDOSULFAN SULFATE													.1 UG/L		U
ENDOSULFAN-I													.05 UG/L		U
ENDRIN													.1 UG/L		U
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.05 UG/L		U
GAMMA-CHLORDANE													.5 UG/L		U
HEPTACHLOR													.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
TOXAPHENE													1 UG/L		U
RADIONUCLIDES															
URANIUM, TOTAL				250 UG/L		NV									
NEPTUNIUM-237										.5 PCI/L	.127	UJ			
PLUTONIUM-239/240										.5 PCI/L	.0444	UJ			
PLUTONIUM-238										.5 PCI/L	.0703	UJ			
STRONTIUM-90										1 PCI/L	.371	UJ			
RUTHENIUM-106										150 PCI/L		UJ			
CESIUM-137										12.5 PCI/L		UJ			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		UJ				10 UG/L		U
1,2-DICHLOROBENZENE							10 UG/L		UJ				10 UG/L		U
1,3-DICHLOROBENZENE							10 UG/L		UJ				10 UG/L		U
1,4-DICHLOROBENZENE							10 UG/L		UJ				10 UG/L		U
2,4,5-TRICHLOROPHENOL							25 UG/L		UJ				50 UG/L		U
2,4,6-TRICHLOROPHENOL							10 UG/L		UJ				10 UG/L		U
2,4-DICHLOROPHENOL							10 UG/L		UJ				10 UG/L		U
2,4-DIMETHYLPHENOL							10 UG/L		UJ				10 UG/L		U
2,4-DINITROPHENOL							25 UG/L		UJ				50 UG/L		UJ
2,4-DINITROTOLUENE							10 UG/L		UJ				10 UG/L		UJ
2,6-DINITROTOLUENE							10 UG/L		UJ				10 UG/L		U
2-CHLORONAPHTHALENE							10 UG/L		UJ				10 UG/L		U
2-CHLOROPHENOL							10 UG/L		UJ						
2-METHYLNAPHTHALENE							10 UG/L		UJ				10 UG/L		U
2-METHYLPHENOL							10 UG/L		UJ				10 UG/L		U
2-NITROANILINE							25 UG/L		UJ				50 UG/L		U
2-NITROPHENOL							10 UG/L		UJ				10 UG/L		U
3,3'-DICHLOROBENZIDINE							10 UG/L		UJ				20 UG/L		U
3-NITROANILINE							25 UG/L		UR				50 UG/L		U
4,6-DINITRO-2-METHYLPHENOL							25 UG/L		UJ				50 UG/L		UJ

SAMPLE NUMBER:	098958			098961			123360			123360			099091		
LAB:	IT			WMCO			IT			IT/RSL			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-BROMOPHENYL PHENYL ETHER							10 UG/L		UJ				10 UG/L		U
4-CHLORO-3-METHYLPHENOL							10 UG/L		UJ				10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		UJ				10 UG/L		U
4-METHYLPHENOL							10 UG/L		UJ				10 UG/L		U
4-NITROANILINE							25 UG/L		UJ				50 UG/L		U
4-NITROPHENOL							25 UG/L		UJ				50 UG/L		U
ACENAPHTHENE							10 UG/L		UJ				10 UG/L		U
ACENAPHTHYLENE							10 UG/L		UJ				10 UG/L		U
ANTHRACENE							10 UG/L		UJ				10 UG/L		U
BENZO(A)ANTHRACENE							10 UG/L		UJ				10 UG/L		U
BENZO(A)PYRENE							10 UG/L		UJ				10 UG/L		U
BENZO(B)FLUORANTHENE							10 UG/L		UJ				10 UG/L		U
BENZO(G,H,I)PERYLENE							10 UG/L		UJ				10 UG/L		U
BENZO(K)FLUORANTHENE							10 UG/L		UJ				10 UG/L		U
BENZOIC ACID							50 UG/L		UJ				50 UG/L		U
BENZYL ALCOHOL							10 UG/L		UJ				10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		UJ				10 UG/L		UJ
BIS(2-CHLOROETHYL)ETHER							10 UG/L		UJ				10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		UJ				10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		UJ				10 UG/L		U
BUTYL BENZYL PHTHALATE							10 UG/L		UJ				10 UG/L		U
CARBAZOLE							10 UG/L		UJ						
CHRYSENE							10 UG/L		UJ				10 UG/L		U
CUMENE	5 UG/L		U												
DI-N-BUTYL PHTHALATE							10 UG/L		UJ				10 UG/L		U
DI-N-OCTYL PHTHALATE							10 UG/L		UJ				10 UG/L		U
DIBENZO(A,H)ANTHRACENE							10 UG/L		UJ				10 UG/L		U
DIBENZOFURAN							10 UG/L		UJ				10 UG/L		U
DIETHYL PHTHALATE							10 UG/L		UJ				10 UG/L		U
DIMETHYL PHTHALATE							10 UG/L		UJ				10 UG/L		U
FLUORANTHENE							10 UG/L		UJ				10 UG/L		U
FLUORENE							10 UG/L		UJ				10 UG/L		U
HEXACHLOROBENZENE							10 UG/L		UJ				10 UG/L		U
HEXACHLOROBUTADIENE							10 UG/L		UJ				10 UG/L		U
HEXACHLOROCYCLOPENTADIENE							10 UG/L		UJ				10 UG/L		U
HEXACHLOROETHANE							10 UG/L		UJ				10 UG/L		UJ
INDENO(1,2,3-CD)PYRENE							10 UG/L		UJ				10 UG/L		U
ISOPHORONE							10 UG/L		UJ				10 UG/L		UJ
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		UJ				10 UG/L		U
N-NITROSODIPHENYLAMINE							10 UG/L		UJ				10 UG/L		U
NAPHTHALENE							10 UG/L		UJ				10 UG/L		U
NITROBENZENE							10 UG/L		UJ				10 UG/L		U
P-CHLOROANILINE							10 UG/L		UJ				10 UG/L		U
PENTACHLOROPHENOL							25 UG/L		UJ				50 UG/L		U
PHENANTHRENE							10 UG/L		UJ				10 UG/L		U
PHENOL	.01 MG/L		U				10 UG/L		UJ				10 UG/L		U

SAMPLE NUMBER:	098958			098961			123360			123360			099091		
LAB:	IT			WMCO			IT			IT/RSL			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PYRENE							10 UG/L		UJ				10 UG/L		U
TRIBUTYL PHOSPHATE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U										5 UG/L		U
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U										5 UG/L		U
1,1,2-TRICHLOROETHANE	5 UG/L		U										5 UG/L		U
1,1-DICHLOROETHANE	5 UG/L		U										5 UG/L		U
1,1-DICHLOROETHENE	5 UG/L		U										5 UG/L		U
1,2-DICHLOROETHANE	5 UG/L		U										5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U										5 UG/L		U
1,2-DICHLOROPROPANE	5 UG/L		U										5 UG/L		U
2-BUTANONE	10 UG/L		U										10 UG/L		UJ
2-HEXANONE	15 UG/L		UJ										10 UG/L		UJ
4-METHYL-2-PENTANONE	7 UG/L		J										10 UG/L		UJ
ACETONE	23 UG/L		U										10 UG/L		UJ
BENZENE	5 UG/L		U										5 UG/L		U
BROMODICHLOROMETHANE	5 UG/L		U										5 UG/L		U
BROMOFORM	5 UG/L		U										5 UG/L		U
BROMOMETHANE	10 UG/L		U										10 UG/L		U
CARBON DISULFIDE	5 UG/L		U										5 UG/L		U
CARBON TETRACHLORIDE	5 UG/L		U										5 UG/L		U
CHLOROBENZENE	5 UG/L		U										5 UG/L		U
CHLOROETHANE	10 UG/L		U										10 UG/L		U
CHLOROFORM	5 UG/L		U										5 UG/L		U
CHLOROMETHANE	10 UG/L		U										10 UG/L		U
CIS-1,3-DICHLOROPROPENE	5 UG/L		U										5 UG/L		U
DIBROMOCHLOROMETHANE	5 UG/L		U										5 UG/L		U
ETHYLBENZENE	5 UG/L		U										5 UG/L		U
METHYLENE CHLORIDE	5 UG/L		U										5 UG/L		U
STYRENE	5 UG/L		U										5 UG/L		U
TETRACHLOROETHENE	5 UG/L		U										5 UG/L		U
TOLUENE	5 UG/L		U										5 UG/L		U
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U										5 UG/L		U
TRICHLOROETHENE	5 UG/L		U										5 UG/L		U
VINYL ACETATE	10 UG/L		U										10 UG/L		UJ
VINYL CHLORIDE	10 UG/L		U										10 UG/L		U
XYLENES, TOTAL	5 UG/L		U										5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099091	099091	099091	099092	099086
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT/MWL	IT/MWL	IT/RSL	FERMCO	IT/MWL
WELL OR BORING NUMBER:	1838	1838	1838	1838	1839
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-NOV-92	24-NOV-92	24-NOV-92	24-NOV-92	20-NOV-92
NORTH COORDINATE:	481173	481173	481173	481173	480433.9
EAST COORDINATE:	1378540.7	1378540.7	1378540.7	1378540.7	1379149.98
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	F-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	.0384 MG/L		U										.03 MG/L		UJ
ANTIMONY	.005 MG/L		U										.005 MG/L		U
ARSENIC	.0048 MG/L		-										.002 MG/L		U
BARIUM	.0907 MG/L		-										.154 MG/L		-
BERYLLIUM	.002 MG/L		U										.002 MG/L		U
CADMIUM	.005 MG/L		U										.005 MG/L		U
CALCIUM	104 MG/L		-										141 MG/L		-
CHROMIUM	.01 MG/L		U										.01 MG/L		U
COBALT	.01 MG/L		U										.01 MG/L		U
COPPER	.01 MG/L		U										.01 MG/L		U
CYANIDE	.002 MG/L		U												
IRON	.02 MG/L		U										.894 MG/L		-
LEAD	.002 MG/L		UJ										.002 MG/L		U
MAGNESIUM	49.2 MG/L		-										44.9 MG/L		-
MANGANESE	.35 MG/L		-										.138 MG/L		-
MERCURY	.0002 MG/L		U										.0002 MG/L		U
MOLYBDENUM	.02 MG/L		U										.02 MG/L		U
NICKEL	.02 MG/L		U										.02 MG/L		U
POTASSIUM	2.53 MG/L		-										.827 MG/L		-
SELENIUM	.002 MG/L		UJ										.002 MG/L		UJ
SILICON	7.63 MG/L		-										7.31 MG/L		-
SILVER	.01 MG/L		-										.01 MG/L		U
SODIUM	12.7 MG/L		-										16 MG/L		-
THALLIUM	.002 MG/L		U										.01 MG/L		U
VANADIUM	.01 MG/L		U										.01 MG/L		U
ZINC	.0088 MG/L		-										.0089 MG/L		-
RADIONUCLIDES															
URANIUM-238							94.2 PCI/L	14.6	J						
URANIUM, TOTAL							224 UG/L	33	J	300 UG/L		NV			
URANIUM-234							37.9 PCI/L	6.2	J						

SAMPLE NUMBER:	099091			099091			099091			099092			099086		
LAB:	IT/MWL			IT/MWL			IT/RSL			FERMCO			IT/MWL		
SUFFIX/FILTERFLAG:	F-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
RADIUM-226							1 PCI/L	.08	UJ						
URANIUM-235/236							1.96 PCI/L	.63	J						
RADIUM-228							3 PCI/L		UJ						
NEPTUNIUM-237							.5 PCI/L	.19	UJ						
PLUTONIUM-239/240							.5 PCI/L		UJ						
PLUTONIUM-238							.5 PCI/L		UJ						
STRONTIUM-90							1.6 PCI/L		UJ						
TECHNETIUM-99							10 PCI/L		R						
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							14 PCI/L		UJ						
GROSS ALPHA							3670 PCI/L	380	NV						
GROSS BETA							1170 PCI/L	120	NV						
SEMIVOLATILES															
2-CHLOROPHENOL				10 UG/L		UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099086	099086	099088	098955	098955
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT/MWL	IT/RSL	FERMCO	IT	IT
WELL OR BORING NUMBER:	1839	1839	1839	1839	1839
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-NOV-92	20-NOV-92	20-NOV-92	31-JUL-92	31-JUL-92
NORTH COORDINATE:	480433.9	480433.9	480433.9	480433.9	480433.9
EAST COORDINATE:	1379149.98	1379149.98	1379149.98	1379149.98	1379149.98
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	F-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	397.5 MG/L		-												
AMMONIA	.1 MG/L		U												
CHLORIDE	50.57 MG/L		-												
FLUORIDE	.26 MG/L		-												
NITRATE	.547 MG/L		-												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.12 MG/L		-												
SULFATE	93.1 MG/L		-												
SULFIDE	.5 MG/L		U												
TOTAL ORGANIC CARBON	1.22 MG/L		-												
TOTAL ORGANIC HALIDES	10 MG/L		U												
TOTAL ORGANIC NITROGEN	.132 MG/L		U												
INORGANICS															
ALUMINUM										.03 MG/L		U			
ARSENIC										.0025 MG/L		U			
BARIUM										.108 MG/L		-			
BERYLLIUM										.002 MG/L		UNV			
CADMIUM										.005 MG/L		UJ			
CALCIUM										126 MG/L		-			
CHROMIUM										.01 MG/L		U			
COBALT										.01 MG/L		UNV			
COPPER										.01 MG/L		U			
CYANIDE	.002 MG/L		U												
IRON										.355 MG/L		-			
LEAD										.0031 MG/L		-			
MAGNESIUM										43.4 MG/L		-			
MANGANESE										.153 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			
NICKEL										.02 MG/L		U			

000173

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SAMPLE NUMBER:	099086			099086			099088			098955			098955		
LAB:	IT/MWL			IT/RSL			FERMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			F-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM										1.06 MG/L		-			
SELENIUM										.002 MG/L		U			
SILICON										7.31 MG/L		-			
SILVER										.01 MG/L		UJ			
SODIUM										15.6 MG/L		-			
VANADIUM										.01 MG/L		U			
ZINC										.0101 MG/L		NV			
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.5 UG/L		U												
AROCLOR-1016	.5 UG/L		U												
AROCLOR-1221	.5 UG/L		U												
AROCLOR-1232	.5 UG/L		U												
AROCLOR-1242	.5 UG/L		U												
AROCLOR-1248	.5 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.5 UG/L		U												
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	1 UG/L		U												
RADIONUCLIDES															
URANIUM-238				.47 PCI/L	.3	J							1.25 PCI/L	.34	J
URANIUM, TOTAL				1.18 UG/L	.13	J	1.4 UG/L		NV				1.93 UG/L	.2	J
URANIUM-234				.47 PCI/L	.32	J							1.36 PCI/L	.35	J
THORIUM-230													1 PCI/L		U
RADIUM-226				1.07 PCI/L	.25	J							1 PCI/L		UJ
URANIUM-235/236				.3 PCI/L		UJ							1 PCI/L		U
THORIUM-232													1 PCI/L		U

SAMPLE NUMBER:	099086			099086			099088			098955			098955		
LAB:	IT/MWL			IT/RSL			FERMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			F-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM, TOTAL													1.6 UG/L		U
RADIUM-228				3 PCI/L		UJ							3 PCI/L		UJ
THORIUM-228													1 PCI/L		U
NEPTUNIUM-237				.65 PCI/L	.23	J									
PLUTONIUM-239/240				.5 PCI/L		UJ							1 PCI/L		U
PLUTONIUM-238				.5 PCI/L		UJ							1 PCI/L		U
STRONTIUM-90				1.6 PCI/L		UJ							5 PCI/L		UJ
TECHNETIUM-99				10 PCI/L		R							30 PCI/L		UJ
RUTHENIUM-106				150 PCI/L		UJ							150 PCI/L		UJ
CESIUM-137				14.4 PCI/L		UJ							20 PCI/L		UJ
GROSS ALPHA				9.2 PCI/L		UNV							8 PCI/L		UNV
GROSS BETA				6.3 PCI/L		UNV							9.55 PCI/L	4.07	NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	50 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	50 UG/L		UJ												
2,4-DINITROTOLUENE	10 UG/L		U												
2,6-DINITROTOLUENE	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												
2-NITROANILINE	50 UG/L		U												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	20 UG/L		U												
3-NITROANILINE	50 UG/L		U												
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		UJ												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	50 UG/L		U												
4-NITROPHENOL	50 UG/L		U												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												

SAMPLE NUMBER:	099086			099086			099088			098955			098955		
LAB:	IT/MWL			IT/RSL			FERMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			F-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		U												
BENZOIC ACID	50 UG/L		U												
BENZYL ALCOHOL	10 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		U												
DI-N-OCTYL PHTHALATE	10 UG/L		U												
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		U												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		U												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U												
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		U												
PENTACHLOROPHENOL	50 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U												
PYRENE	10 UG/L		U												
TRIBUTYL PHOSPHATE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U												
1,1,2-TRICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHENE	5 UG/L		U												
1,2-DICHLOROETHANE	5 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U												
1,2-DICHLOROPROPANE	5 UG/L		U												
2-BUTANONE	10 UG/L		UJ												

SAMPLE NUMBER:	099086			099086			099088			098955			098955		
LAB:	IT/MWL			IT/RSL			FERMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			F-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-HEXANONE	10 UG/L		UJ												
4-METHYL-2-PENTANONE	10 UG/L		UJ												
ACETONE	10 UG/L		UJ												
BENZENE	5 UG/L		U												
BROMODICHLOROMETHANE	5 UG/L		U												
BROMOFORM	5 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	5 UG/L		U												
CARBON TETRACHLORIDE	5 UG/L		U												
CHLOROBENZENE	5 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	5 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	5 UG/L		U												
DIBROMOCHLOROMETHANE	5 UG/L		U												
ETHYLBENZENE	5 UG/L		U												
METHYLENE CHLORIDE	5 UG/L		U												
STYRENE	5 UG/L		U												
TETRACHLOROETHENE	5 UG/L		U												
TOLUENE	5 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U												
TRICHLOROETHENE	5 UG/L		U												
VINYL ACETATE	10 UG/L		UJ												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	5 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098955	098956	062413	062413	108862
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT	WMCO	IT	IT	IT
WELL OR BORING NUMBER:	1839	1839	1840	1840	1840
DEPTH:	-	-	-	-	-
DATE COLLECTED:	31-JUL-92	31-JUL-92	04-FEB-93	04-FEB-93	04-MAY-93
NORTH COORDINATE:	480433.9	480433.9	479964.9	479964.9	479964.9
EAST COORDINATE:	1379149.98	1379149.98	1380658.84	1380658.84	1380658.84
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	RE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.12 MG/L		J												
CHLORIDE	38.48 MG/L		-												
FLUORIDE	.23 MG/L		-												
NITRATE	1.1 MG/L		-												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.39 MG/L		J												
SULFATE	27.7 MG/L		-												
SULFIDE	.5 MG/L		U												
TOTAL ORGANIC CARBON	1.95 MG/L		-												
TOTAL ORGANIC HALIDES	.01 MG/L		U												
TOTAL ORGANIC NITROGEN	.14 MG/L		-												
RADIONUCLIDES															
URANIUM-238							109 PCI/L	18	NV						
URANIUM, TOTAL				1.9 UG/L		NV	257 UG/L	37	NV				230 UG/L	32	J
URANIUM-234							109 PCI/L	18	NV						
THORIUM-230							1 PCI/L		UNV	.549 PCI/L	.213	J	.2 PCI/L		UJ
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236							5.03 PCI/L	1.34	NV						
THORIUM-232							.2 PCI/L	.03858	UJ	.2 PCI/L	.0386	UJ	.2 PCI/L	.1015	UJ
THORIUM, TOTAL							3.8 UG/L		UNV	1.17 UG/L		UJ	.5 UG/L	.62	UJ
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							1.1 PCI/L		UNV	.218 PCI/L	.098	UJ	.24 PCI/L		UJ
NEPTUNIUM-237							1 PCI/L		UNV						
PLUTONIUM-239/240							1 PCI/L	0	UNV						
PLUTONIUM-238							1 PCI/L	0	UNV						
STRONTIUM-90							5 PCI/L		UNV						
TECHNETIUM-99							30 PCI/L		UNV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							20 PCI/L		UNV						

SAMPLE NUMBER:	098955			098956			062413			062413			108862		
LAB:	IT			WMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			RE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
CUMENE	5 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U												
1,1,2-TRICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHENE	5 UG/L		U												
1,2-DICHLOROETHANE	5 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U												
1,2-DICHLOROPROPANE	5 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		U												
BENZENE	5 UG/L		U												
BROMODICHLOROMETHANE	5 UG/L		U												
BROMOFORM	5 UG/L		U												
BROMOMETHANE	10 UG/L		UJ												
CARBON DISULFIDE	5 UG/L		U												
CARBON TETRACHLORIDE	5 UG/L		U												
CHLOROBENZENE	5 UG/L		U												
CHLOROETHANE	10 UG/L		UJ												
CHLOROFORM	5 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	5 UG/L		U												
DIBROMOCHLOROMETHANE	5 UG/L		U												
ETHYLBENZENE	5 UG/L		U												
METHYLENE CHLORIDE	5 UG/L		U												
STYRENE	5 UG/L		U												
TETRACHLOROETHENE	5 UG/L		U												
TOLUENE	5 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U												
TRICHLOROETHENE	5 UG/L		U												
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	5 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098988	098992	108852	098991	108855
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT	WMCO	IT	IT	IT
WELL OR BORING NUMBER:	1840	1840	1840	1840	1840
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-OCT-92	08-OCT-92	09-FEB-93	09-OCT-92	10-FEB-93
NORTH COORDINATE:	479964.9	479964.9	479964.9	479964.9	479964.9
EAST COORDINATE:	1380658.84	1380658.84	1380658.84	1380658.84	1380658.84
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
SULFIDE	.5 MG/L		UJ										.5 MG/L		UJ
INORGANICS															
ALUMINUM							.174 MG/L		-	.03 MG/L		U			
ANTIMONY							.005 MG/L		U	.0055 MG/L		-			
ARSENIC							.002 MG/L		U	.0025 MG/L		U			
BARIUM							.0525 MG/L		-	.0589 MG/L		-			
BERYLLIUM							.002 MG/L		U	.002 MG/L		U			
CADMIUM							.005 MG/L		U	.005 MG/L		U			
CALCIUM							95.4 MG/L		-	81.2 MG/L		-			
CHROMIUM							.01 MG/L		U	.01 MG/L		U			
COBALT							.01 MG/L		U	.01 MG/L		U			
COPPER							.01 MG/L		U	.01 MG/L		U			
IRON							.02 MG/L		U	.02 MG/L		U			
LEAD							.002 MG/L		U	.0025 MG/L		U			
MAGNESIUM							37.3 MG/L		-	22.4 MG/L		-			
MANGANESE							.0351 MG/L		-	.0272 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
MOLYBDENUM							.02 MG/L		U	.02 MG/L		U			
NICKEL							.02 MG/L		U	.02 MG/L		U			
POTASSIUM							2.69 MG/L		-	1.96 MG/L		-			
SELENIUM							.002 MG/L		UJ	.0038 MG/L		-			
SILICON							6.66 MG/L		-	6.28 MG/L		-			
SILVER							.01 MG/L		U	.01 MG/L		U			
SODIUM							40.2 MG/L		-	23 MG/L		-			
THALLIUM							.002 MG/L		U	.002 MG/L		U			
VANADIUM							.01 MG/L		U	.01 MG/L		U			
ZINC							.005 MG/L		U	.005 MG/L		U			
RADIONUCLIDES															

URANIUM, TOTAL 390 UG/L NV
10/02/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	098988			098992			108852			098991			108855		
LAB:	IT			WMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													50 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U
2,4-DINITROPHENOL													50 UG/L		UJ
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													50 UG/L		U
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													20 UG/L		U
3-NITROANILINE													50 UG/L		U
4,6-DINITRO-2-METHYLPHENOL													50 UG/L		U
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													50 UG/L		U
4-NITROPHENOL													50 UG/L		UJ
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		U
BENZOIC ACID													50 UG/L		U
BENZYL ALCOHOL													10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		UR
BUTYL BENZYL PHTHALATE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													10 UG/L		U
DI-N-OCTYL PHTHALATE													10 UG/L		U
DIBENZO(A,H)ANTHRACENE													10 UG/L		U

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SAMPLE NUMBER:	098988			098992			108852			098991			108855		
LAB:	IT			WMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		U
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		U
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													50 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL													10 UG/L		U
PYRENE													10 UG/L		U
TRIBUTYL PHOSPHATE													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098990	098981	099117	099119	098982
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT	IT	IT-KNOX	IT-KNOX	IT
WELL OR BORING NUMBER:	1840	1840	1840	1840	1840
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-OCT-92	20-AUG-92	22-DEC-92	23-DEC-92	25-AUG-92
NORTH COORDINATE:	479964.9	479964.9	479964.9	479964.9	479964.9
EAST COORDINATE:	1380658.84	1380658.84	1380658.84	1380658.84	1380658.84
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE										.32 MG/L		-			
PHENOLS										.01 MG/L		U			
TOTAL ORGANIC CARBON				4.16 MG/L		-	1 MG/L		U						
TOTAL ORGANIC HALIDES							.0159 MG/L		-				77.4 MG/L		-
RADIONUCLIDES															
URANIUM-238	134 PCI/L	20	R												
URANIUM, TOTAL	398 UG/L	55	-												
URANIUM-234	105 PCI/L	16	R												
RADIUM-226	1 PCI/L	.114	UJ												
URANIUM-235/236	6.66 PCI/L	2.74	R												
RADIUM-228	3 PCI/L		UJ												
NEPTUNIUM-237	.5 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		R												
PLUTONIUM-238	1 PCI/L		R												
STRONTIUM-90	1 PCI/L		UJ												
TECHNETIUM-99	48.2 PCI/L	16.1	J												
RUTHENIUM-106	150 PCI/L		UJ												
CESIUM-137	19.1 PCI/L		UJ												
GROSS ALPHA	283 PCI/L	40	NV												
GROSS BETA	100 PCI/L	12	NV												
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		U	10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE				1 UG/L		U	10 UG/L		U						
1,1,2-TRICHLOROETHANE				5 UG/L		U	10 UG/L		U						
1,1-DICHLOROETHANE				5 UG/L		U	10 UG/L		U						
1,1-DICHLOROETHENE				5 UG/L		U	10 UG/L		U						
1,2-DICHLOROETHANE				5 UG/L		U	10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U	10 UG/L		U						

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SAMPLE NUMBER:	098990			098981			099117			099119			098982		
LAB:	IT			IT			IT-KNOX			IT-KNOX			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE				5 UG/L		U	10 UG/L		U						
2-BUTANONE				10 UG/L		U	10 UG/L		U						
2-HEXANONE				10 UG/L		U	10 UG/L		UJ						
4-METHYL-2-PENTANONE				10 UG/L		U	10 UG/L		UJ						
ACETONE				10 UG/L		UJ	10 UG/L		UJ						
BENZENE				.5 UG/L		J	10 UG/L		U						
BROMODICHLOROMETHANE				5 UG/L		U	10 UG/L		U						
BROMOFORM				5 UG/L		U	10 UG/L		U						
BROMOMETHANE				10 UG/L		U	10 UG/L		U						
CARBON DISULFIDE				5 UG/L		U	10 UG/L		U						
CARBON TETRACHLORIDE				5 UG/L		U	10 UG/L		U						
CHLOROBENZENE				5 UG/L		U	10 UG/L		U						
CHLOROETHANE				10 UG/L		U	10 UG/L		UJ						
CHLOROFORM				5 UG/L		U	10 UG/L		U						
CHLOROMETHANE				10 UG/L		U	10 UG/L		U						
CIS-1,3-DICHLOROPROPENE				5 UG/L		U	10 UG/L		U						
DIBROMOCHLOROMETHANE				5 UG/L		U	10 UG/L		U						
ETHYLBENZENE				5 UG/L		U	10 UG/L		U						
METHYLENE CHLORIDE				17 UG/L		UJ	10 UG/L		UJ						
STYRENE				5 UG/L		U	10 UG/L		U						
TETRACHLOROETHENE				5 UG/L		U	10 UG/L		U						
TOLUENE				5 UG/L		U	10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U	10 UG/L		U						
TRICHLOROETHENE				5 UG/L		U	10 UG/L		U						
VINYL ACETATE				10 UG/L		U	10 UG/L		UJ						
VINYL CHLORIDE				10 UG/L		U	10 UG/L		U						
XYLENES, TOTAL				5 UG/L		U	10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098985	098987	099122	099127	099128
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT-KNOX	IT	IT	IT	IT
WELL OR BORING NUMBER:	1840	1840	1840	1840	1840
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-AUG-92	27-AUG-92	27-JAN-93	28-JAN-93	29-JAN-93
NORTH COORDINATE:	479964.9	479964.9	479964.9	479964.9	479964.9
EAST COORDINATE:	1380658.84	1380658.84	1380658.84	1380658.84	1380658.84
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.17 MG/L		-				.11 MG/L		-			
CHLORIDE				49.6 MG/L		-				33.47 MG/L		-			
FLUORIDE				1.65 MG/L		-				1.75 MG/L		-			
NITRATE	.1 MG/L		U												
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.58 MG/L		-				.08 MG/L		U			
SULFATE				174.9 MG/L		-				94.3 MG/L		-			
TOTAL ORGANIC NITROGEN				.24 MG/L		-				.1 MG/L		U			
INORGANICS															
ALUMINUM													.03 MG/L		U
ANTIMONY													.005 MG/L		U
ARSENIC													.002 MG/L		U
BARIUM													.0528 MG/L		-
BERYLLIUM													.002 MG/L		U
CADMIUM													.005 MG/L		U
CALCIUM													93.3 MG/L		-
CHROMIUM													.01 MG/L		U
COBALT													.01 MG/L		U
COPPER													.01 MG/L		U
CYANIDE							.002 MG/L		U						
IRON													.02 MG/L		U
LEAD													.002 MG/L		U
MAGNESIUM													40.7 MG/L		-
MANGANESE													.0712 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.02 MG/L		U
NICKEL													.02 MG/L		U
POTASSIUM													2.65 MG/L		-
SELENIUM													.002 MG/L		U
SILICON													7.07 MG/L		-

SAMPLE NUMBER:	098985			098987			099122			099127			099128		
LAB:	IT-KNOX			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SILVER													.01 MG/L		U
SODIUM													40.2 MG/L		-
THALLIUM													.002 MG/L		U
VANADIUM													.01 MG/L		U
ZINC													.005 MG/L		U
RADIONUCLIDES															
GROSS ALPHA													155 PCI/L	26	NV
GROSS BETA													52.4 PCI/L	7.7	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	108859	108861	108861	108867	108869
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT	IT	IT/MWL	IT	IT
WELL OR BORING NUMBER:	1842	1842	1842	1842	1842
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-MAR-93	10-MAR-93	10-MAR-93	11-MAY-93	14-MAY-93
NORTH COORDINATE:	479927.25	479927.25	479927.25	479927.25	479927.25
EAST COORDINATE:	1381972.92	1381972.92	1381972.92	1381972.92	1381972.92
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										200 MG/L		-			
CHLORIDE										14.6 MG/L		-			
FLUORIDE										.66 MG/L		-			
SULFATE										59.1 MG/L		-			
INORGANICS															
ALUMINUM							.19 MG/L		U						
ANTIMONY							.005 MG/L		UJ						
ARSENIC							.002 MG/L		UJ						
BARIUM							.0294 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.005 MG/L		U						
CALCIUM							86.1 MG/L		-						
CHROMIUM							.01 MG/L		U						
COBALT							.01 MG/L		U						
COPPER							.01 MG/L		U						
CYANIDE										.002 MG/L		UNV			
IRON							.02 MG/L		U						
LEAD							.002 MG/L		U						
MAGNESIUM							29.1 MG/L		-						
MANGANESE							.202 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.02 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							3.46 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILICON							5.29 MG/L		-						
SILVER							.01 MG/L		U						
SODIUM							43.4 MG/L		-						
THALLIUM							.002 MG/L		U						
VANADIUM							.01 MG/L		U						

SAMPLE NUMBER:	108859			108861			108861			108867			108869		
LAB:	IT			IT			IT/MWL			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ZINC							.005 MG/L		U						
PESTICIDES															
4,4'-DDD													.1 UG/L		U
4,4'-DDE													.1 UG/L		U
4,4'-DDT													.1 UG/L		U
ALDRIN													.05 UG/L		U
ALPHA-BHC													.05 UG/L		U
ALPHA-CHLORDANE													.05 UG/L		U
AROCLOR-1016													1 UG/L		U
AROCLOR-1221													2 UG/L		U
AROCLOR-1232													1 UG/L		U
AROCLOR-1242													1 UG/L		U
AROCLOR-1248													1 UG/L		U
AROCLOR-1254													1 UG/L		U
AROCLOR-1260													1 UG/L		U
BETA-BHC													.05 UG/L		U
DELTA-BHC													.05 UG/L		U
DIELDRIN													.1 UG/L		U
ENDOSULFAN II													.1 UG/L		U
ENDOSULFAN SULFATE													.1 UG/L		U
ENDOSULFAN-I													.05 UG/L		U
ENDRIN													.1 UG/L		U
ENDRIN ALDEHYDE													.1 UG/L		U
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.05 UG/L		U
GAMMA-CHLORDANE													.05 UG/L		U
HEPTACHLOR													.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
TOXAPHENE													5 UG/L		U
RADIONUCLIDES															
URANIUM-238	42.2 PCI/L	9	-												
URANIUM, TOTAL	97.2 UG/L	12.8	-												
URANIUM-234	42.3 PCI/L	9	-												
THORIUM-230	.23 PCI/L		UJ												
RADIUM-226	1 PCI/L		UJ												
URANIUM-235/236	2.41 PCI/L	.63	-												
THORIUM-232	.23 PCI/L		UJ												
THORIUM, TOTAL	2.1 UG/L		UJ												
RADIUM-228	3 PCI/L		UJ												
THORIUM-228	.2 PCI/L		UJ												
NEPTUNIUM-237	.5 PCI/L	.102	UJ												
PLUTONIUM-239/240	.5 PCI/L		UJ												

SAMPLE NUMBER:	108859			108861			108861			108867			108869		
LAB:	IT			IT			IT/MWL			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
PLUTONIUM-238	.7437 PCI/L	.246	J												
STRONTIUM-90	1.4 PCI/L		UJ												
TECHNETIUM-99	15 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		UJ												
CESIUM-137	11 PCI/L		UJ												
GROSS ALPHA	63.5 PCI/L	13.3	NV	77.7 PCI/L	14.8	NV									
GROSS BETA	39.7 PCI/L	6.2	NV	36.2 PCI/L	5.8	NV									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		UJ
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													25 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U
2,4-DINITROPHENOL													50 UG/L		UJ
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-BENZYL-4-CHLOROPHENOL													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													25 UG/L		U
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													10 UG/L		U
3-NITROANILINE													25 UG/L		U
4,6-DINITRO-2-METHYLPHENOL													25 UG/L		UJ
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													25 UG/L		U
4-NITROPHENOL													25 UG/L		UJ
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		U
BENZOIC ACID													50 UG/L		UJ
BENZYL ALCOHOL													10 UG/L		U

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SAMPLE NUMBER:	108859			108861			108861			108867			108869		
LAB:	IT			IT			IT/MWL			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		UJ
BUTYL BENZYL PHTHALATE													10 UG/L		U
CARBAZOLE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													10 UG/L		U
DI-N-OCTYL PHTHALATE													10 UG/L		UJ
DIBENZO(A,H)ANTHRACENE													10 UG/L		U
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		U
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		U
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													25 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL													10 UG/L		U
PYRENE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE													4 UG/L		J
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													4 UG/L		J
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		UJ
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		UJ
ACETONE													10 UG/L		U
BENZENE													10 UG/L		U

SAMPLE NUMBER:	108859			108861			108861			108867			108869		
LAB:	IT			IT			IT/MWL			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		UJ
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													12 UG/L		UJ
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL ACETATE													10 UG/L		UJ
VINYL CHLORIDE													10 UG/L		UJ
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	30924U1842-01	30924U1842-02	099076	099080	099078
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	TCT	CORE	IT/MWL	IT/MWL	FERMCO
WELL OR BORING NUMBER:	1842	1842	1843	1843	1843
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-SEP-93	24-SEP-93	18-NOV-92	19-NOV-92	20-NOV-92
NORTH COORDINATE:	479927.25	479927.25	479905.6	479905.6	479905.6
EAST COORDINATE:	1381972.92	1381972.92	1382522.39	1382522.39	1382522.39
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										552.5 MG/L		-			
AMMONIA							.222 MG/L		-						
CHLORIDE										11.66 MG/L		-			
FLUORIDE										.4 MG/L		-			
NITRATE										.1 MG/L		U			
PHENOLS							.01 MG/L		U						
PHOSPHORUS							4.06 MG/L		-						
SULFATE										52.8 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON							2.64 MG/L		-						
TOTAL ORGANIC HALIDES							.0543 MG/L		J						
TOTAL ORGANIC NITROGEN							.798 MG/L		-						
INORGANICS															
ALUMINUM	1.82 MG/L		-												
ANTIMONY	.011 MG/L		U												
ARSENIC	.0022 MG/L		-												
BARIUM	.082 MG/L		-												
BERYLLIUM	.004 MG/L		R												
CADMIUM	.005 MG/L		U												
CALCIUM	304 MG/L		-												
CHROMIUM	.006 MG/L		UJ												
COBALT	.0099 MG/L		-												
COPPER	.008 MG/L		UJ												
CYANIDE										.002 MG/L		U			
IRON	4.32 MG/L		-												
LEAD	.0077 MG/L		J												
MAGNESIUM	67.8 MG/L		-												
MANGANESE	.673 MG/L		-												
MERCURY	.0001 MG/L		U												
MOLYBDENUM	.041 MG/L		U												

SAMPLE NUMBER:	30924U1842-01			30924U1842-02			099076			099080			099078		
LAB:	TCT			CORE			IT/MWL			IT/MWL			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.011 MG/L		U												
POTASSIUM	2.62 MG/L		-												
SELENIUM	.002 MG/L		UJ												
SILICON	24.2 MG/L		J												
SILVER	.002 MG/L		U												
SODIUM	28 MG/L		J												
THALLIUM	.001 MG/L		UJ												
VANADIUM	.012 MG/L		U												
ZINC	.0182 MG/L		-												
PESTICIDES															
4,4'-DDD										.1 UG/L		U			
4,4'-DDE										.1 UG/L		U			
4,4'-DDT										.1 UG/L		U			
ALDRIN										.05 UG/L		U			
ALPHA-BHC										.05 UG/L		U			
ALPHA-CHLORDANE										.5 UG/L		U			
AROCLOR-1016										.5 UG/L		U			
AROCLOR-1221										.5 UG/L		U			
AROCLOR-1232										.5 UG/L		U			
AROCLOR-1242										.5 UG/L		U			
AROCLOR-1248										.5 UG/L		U			
AROCLOR-1254										1 UG/L		U			
AROCLOR-1260										1 UG/L		U			
BETA-BHC										.05 UG/L		U			
DELTA-BHC										.05 UG/L		U			
DIELDRIN										.1 UG/L		U			
ENDOSULFAN II										.1 UG/L		U			
ENDOSULFAN SULFATE										.1 UG/L		U			
ENDOSULFAN-I										.05 UG/L		U			
ENDRIN										.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)										.05 UG/L		U			
GAMMA-CHLORDANE										.5 UG/L		U			
HEPTACHLOR										.05 UG/L		U			
HEPTACHLOR EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.5 UG/L		U			
TOXAPHENE										1 UG/L		U			
RADIONUCLIDES															
URANIUM-238				76.6 PCI/L	7	-									
URANIUM, TOTAL				188 UG/L	13.2	-							9.8 UG/L		NV
URANIUM-234				71.7 PCI/L	6.5	-									
THORIUM-230				.9 PCI/L	.4	-									
RADIUM-226				2.4 PCI/L	.6	-									

SAMPLE NUMBER:	30924U1842-01			30924U1842-02			099076			099080			099078		
LAB:	TCT			CORE			IT/MWL			IT/MWL			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-235/236				2.7 PCI/L	1.7	-									
THORIUM-232				.5 PCI/L	.3	U									
RADIUM-228				2.6 PCI/L	1.6	UJ									
THORIUM-228				.4 PCI/L	.4	J									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U						
1,2-DICHLOROBENZENE							10 UG/L		U						
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							50 UG/L		U						
2,4,6-TRICHLOROPHENOL							10 UG/L		U						
2,4-DICHLOROPHENOL							10 UG/L		U						
2,4-DIMETHYLPHENOL							10 UG/L		U						
2,4-DINITROPHENOL							50 UG/L		UJ						
2,4-DINITROTOLUENE							10 UG/L		U						
2,6-DINITROTOLUENE							10 UG/L		U						
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		U						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		U						
2-NITROANILINE							50 UG/L		U						
2-NITROPHENOL							10 UG/L		U						
3,3'-DICHLOROBENZIDINE							20 UG/L		U						
3-NITROANILINE							50 UG/L		U						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		UJ						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		U						
4-NITROANILINE							50 UG/L		U						
4-NITROPHENOL							50 UG/L		U						
ACENAPHTHENE							10 UG/L		U						
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		U						
BENZO(B)FLUORANTHENE							10 UG/L		U						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZOIC ACID							50 UG/L		U						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U						

SAMPLE NUMBER:	30924U1842-01			30924U1842-02			099076			099080			099078		
LAB:	TCT			CORE			IT/MWL			IT/MWL			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						
DI-N-OCTYL PHTHALATE							10 UG/L		U						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U						
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		U						
NITROBENZENE							10 UG/L		U						
P-CHLOROANILINE							10 UG/L		U						
PENTACHLOROPHENOL							50 UG/L		U						
PHENANTHRENE							10 UG/L		U						
PHENOL							10 UG/L		U						
PYRENE							10 UG/L		U						
TRIBUTYL PHOSPHATE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHENE							5 UG/L		U						
1,2-DICHLOROETHANE							5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		U						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							10 UG/L		UJ						
2-HEXANONE							10 UG/L		UJ						
4-METHYL-2-PENTANONE							10 UG/L		UJ						
ACETONE							10 UG/L		UJ						
BENZENE							5 UG/L		U						
BROMODICHLOROMETHANE							5 UG/L		U						
BROMOFORM							5 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							5 UG/L		U						

SAMPLE NUMBER:	30924U1842-01			30924U1842-02			099076			099080			099078		
LAB:	TCT			CORE			IT/MWL			IT/MWL			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE							5 UG/L		U						
CHLOROBENZENE							5 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							5 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							5 UG/L		U						
DIBROMOCHLOROMETHANE							5 UG/L		U						
ETHYLBENZENE							5 UG/L		U						
METHYLENE CHLORIDE							5 UG/L		U						
STYRENE							5 UG/L		U						
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U						
TRICHLOROETHENE							5 UG/L		U						
VINYL ACETATE							10 UG/L		UJ						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099090	099090	098951	098952	098952
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT	IT/RSL	IT	IT	IT
WELL OR BORING NUMBER:	1843	1843	1843	1843	1843
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-NOV-92	20-NOV-92	24-JUL-92	25-JUL-92	25-JUL-92
NORTH COORDINATE:	479905.6	479905.6	479905.6	479905.6	479905.6
EAST COORDINATE:	1382522.39	1382522.39	1382522.39	1382522.39	1382522.39
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.12 MG/L		-						
CHLORIDE							11.45 MG/L		-						
FLUORIDE							.43 MG/L		-						
NITRATE/NITRITE							.1 MG/L		U						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.09 MG/L		-						
SULFATE							80.1 MG/L		-						
SULFIDE							.5 MG/L		U						
TOTAL ORGANIC CARBON							1.95 MG/L		-						
TOTAL ORGANIC HALIDES							.0453 MG/L		-						
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
INORGANICS															
ALUMINUM	.03 MG/L		UJ							.03 MG/L		U			
ANTIMONY	.005 MG/L		U							.03 MG/L		UJ			
ARSENIC	.002 MG/L		U							.002 MG/L		UJ			
BARIUM	.122 MG/L		-							.114 MG/L		-			
BERYLLIUM	.002 MG/L		U							.002 MG/L		U			
CADMIUM	.005 MG/L		U							.005 MG/L		UJ			
CALCIUM	110 MG/L		-							106 MG/L		-			
CHROMIUM	.01 MG/L		U							.01 MG/L		U			
COBALT	.01 MG/L		U							.01 MG/L		U			
COPPER	.01 MG/L		U							.01 MG/L		U			
IRON	.02 MG/L		U							.02 MG/L		U			
LEAD	.002 MG/L		U							.002 MG/L		U			
MAGNESIUM	75.4 MG/L		-							72.2 MG/L		-			
MANGANESE	.303 MG/L		-							.291 MG/L		-			
MERCURY	.0002 MG/L		U							.0002 MG/L		U			
MOLYBDENUM	.02 MG/L		U							.02 MG/L		U			
NICKEL	.02 MG/L		U							.02 MG/L		U			
POTASSIUM	2.64 MG/L		-							2.65 MG/L		-			

SAMPLE NUMBER:	099090			099090			098951			098952			098952		
LAB:	IT			IT/RSL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.002 MG/L		UJ							.002 MG/L		UJ			
SILICON	8.28 MG/L		-							8.1 MG/L		-			
SILVER	.01 MG/L		U							.01 MG/L		UJ			
SODIUM	30.3 MG/L		-							24.9 MG/L		-			
THALLIUM	.002 MG/L		U												
VANADIUM	.01 MG/L		U							.01 MG/L		U			
ZINC	.0061 MG/L		-							.0114 MG/L		J			
RADIONUCLIDES															
URANIUM-238				5.36 PCI/L	1.09	J							3.68 PCI/L	.86	J
URANIUM, TOTAL				8.39 UG/L	1.3	J							10.1 UG/L	1.4	J
URANIUM-234				5.27 PCI/L	1.08	J							5.31 PCI/L	1.07	J
THORIUM-230													.43 PCI/L	.22	J
RADIUM-226				1 PCI/L	.09	UJ							1 PCI/L	.16	UJ
URANIUM-235/236				.24 PCI/L	.19	J							.76 PCI/L	.38	J
THORIUM-232													.71 PCI/L	.13	J
THORIUM, TOTAL													2.04 UG/L		UJ
RADIUM-228				3 PCI/L		UJ							3 PCI/L		UJ
THORIUM-228													1.04 PCI/L	.36	J
NEPTUNIUM-237				.5 PCI/L		UJ									
PLUTONIUM-239/240				.5 PCI/L		UJ							.5 PCI/L		UJ
PLUTONIUM-238				.5 PCI/L	.096	UJ							.5 PCI/L		UJ
STRONTIUM-90				1.7 PCI/L		UJ							1 PCI/L		UJ
TECHNETIUM-99				9.6 PCI/L		R							16 PCI/L		UJ
RUTHENIUM-106				150 PCI/L		UJ							150 PCI/L		UJ
CESIUM-137				15.4 PCI/L		UJ							12.2 PCI/L		UJ
GROSS ALPHA				9.02 PCI/L	7.19	NV							10.7 PCI/L	7.2	NV
GROSS BETA				7.5 PCI/L		UNV							7 PCI/L		UNV
SEMIVOLATILES															
CUMENE							5 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHENE							5 UG/L		U						
1,2-DICHLOROETHANE							5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		U						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						

SAMPLE NUMBER:	099090			099090			098951			098952			098952		
LAB:	IT			IT/RSL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ACETONE							10 UG/L		U						
BENZENE							5 UG/L		U						
BROMODICHLOROMETHANE							5 UG/L		U						
BROMOFORM							5 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							5 UG/L		U						
CARBON TETRACHLORIDE							5 UG/L		U						
CHLOROBENZENE							5 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							5 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							5 UG/L		U						
DIBROMOCHLOROMETHANE							5 UG/L		U						
ETHYLBENZENE							5 UG/L		U						
METHYLENE CHLORIDE							12 UG/L		U						
STYRENE							5 UG/L		U						
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U						
TRICHLOROETHENE							5 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098953	099064	099064	099064	099065
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	WMCO	IT-KNOX	IT/MWL	IT/MWL	IT/RSL
WELL OR BORING NUMBER:	1843	1844	1844	1844	1844
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-JUL-92	17-NOV-92	17-NOV-92	17-NOV-92	17-NOV-92
NORTH COORDINATE:	479905.6	479900.92	479900.92	479900.92	479900.92
EAST COORDINATE:	1382522.39	1382800.94	1382800.94	1382800.94	1382800.94
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				524 MG/L		-									
AMMONIA				.131 MG/L		-									
CHLORIDE				10.09 MG/L		-									
FLUORIDE				.47 MG/L		-									
NITRATE				.1 MG/L		UJ									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				1.67 MG/L		-									
SULFATE				47.1 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				1.85 MG/L		-									
TOTAL ORGANIC HALIDES				.0113 MG/L		-									
TOTAL ORGANIC NITROGEN				.313 MG/L		-									
INORGANICS															
ALUMINUM							.03 MG/L		U						
ANTIMONY							.005 MG/L		U						
ARSENIC							.0058 MG/L		-						
BARIUM							.089 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.005 MG/L		U						
CALCIUM							107 MG/L		-						
CHROMIUM							.01 MG/L		U						
COBALT							.01 MG/L		U						
COPPER							.01 MG/L		U						
CYANIDE										.002 MG/L		U			
IRON							.93 MG/L		-						
LEAD							.0025 MG/L		U						
MAGNESIUM							59.6 MG/L		-						
MANGANESE							.288 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.02 MG/L		U						

SAMPLE NUMBER:	098953			099064			099064			099064			099065		
LAB:	WMCO			IT-KNOX			IT/MWL			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL							.02 MG/L		U						
POTASSIUM							2.36 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILICON							9.66 MG/L		-						
SILVER							.01 MG/L		U						
SODIUM							31 MG/L		-						
THALLIUM							.002 MG/L		U						
VANADIUM							.01 MG/L		U						
ZINC							.0072 MG/L		-						
PESTICIDES															
4,4'-DDD										.1 UG/L		U			
4,4'-DDE										.1 UG/L		U			
4,4'-DDT										.1 UG/L		U			
ALDRIN										.05 UG/L		U			
ALPHA-BHC										.05 UG/L		U			
ALPHA-CHLORDANE										.5 UG/L		U			
AROCLOR-1016										.5 UG/L		U			
AROCLOR-1221										.5 UG/L		U			
AROCLOR-1232										.5 UG/L		U			
AROCLOR-1242										.5 UG/L		U			
AROCLOR-1248										.5 UG/L		U			
AROCLOR-1254										1 UG/L		U			
AROCLOR-1260										1 UG/L		U			
BETA-BHC										.05 UG/L		U			
DELTA-BHC										.05 UG/L		U			
DIELDRIN										.1 UG/L		U			
ENDOSULFAN II										.1 UG/L		U			
ENDOSULFAN SULFATE										.1 UG/L		U			
ENDOSULFAN-I										.05 UG/L		U			
ENDRIN										.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)										.05 UG/L		U			
GAMMA-CHLORDANE										.5 UG/L		U			
HEPTACHLOR										.05 UG/L		U			
HEPTACHLOR EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.5 UG/L		U			
TOXAPHENE										1 UG/L		U			
RADIONUCLIDES															
URANIUM-238													1.41 PCI/L	.42	J
URANIUM, TOTAL	9.9 UG/L		NV										3.49 UG/L	.37	J
URANIUM-234													2.55 PCI/L	.6	J
RADIUM-226													1 PCI/L		UJ
URANIUM-235/236													.2 PCI/L		UJ

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SAMPLE NUMBER:	098953			099064			099064			099064			099065		
LAB:	WMCO			IT-KNOX			IT/MWL			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
RADIUM-228													3.4 PCI/L		UJ
NEPTUNIUM-237													.5 PCI/L		UJ
PLUTONIUM-239/240													.5 PCI/L		UJ
PLUTONIUM-238													.5 PCI/L	.1	UJ
STRONTIUM-90													1 PCI/L		UJ
TECHNETIUM-99													15 PCI/L		UJ
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													16 PCI/L		UJ
GROSS ALPHA													5.5 PCI/L	3.91	NV
GROSS BETA													4 PCI/L		UNV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		U			
1,2-DICHLOROBENZENE										10 UG/L		U			
1,3-DICHLOROBENZENE										10 UG/L		U			
1,4-DICHLOROBENZENE										10 UG/L		U			
2,4,5-TRICHLOROPHENOL										50 UG/L		U			
2,4,6-TRICHLOROPHENOL										10 UG/L		U			
2,4-DICHLOROPHENOL										10 UG/L		U			
2,4-DIMETHYLPHENOL										10 UG/L		U			
2,4-DINITROPHENOL										50 UG/L		UJ			
2,4-DINITROTOLUENE										10 UG/L		U			
2,6-DINITROTOLUENE										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		U			
2-CHLOROPHENOL										10 UG/L		U			
2-METHYLNAPHTHALENE										10 UG/L		U			
2-METHYLPHENOL										10 UG/L		U			
2-NITROANILINE										50 UG/L		U			
2-NITROPHENOL										10 UG/L		U			
3,3'-DICHLOROBENZIDINE										20 UG/L		U			
3-NITROANILINE										50 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL										50 UG/L		UJ			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLORO-3-METHYLPHENOL										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			
4-NITROANILINE										50 UG/L		U			
4-NITROPHENOL										50 UG/L		U			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		U			
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		U			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			

SAMPLE NUMBER:	098953			099064			099064			099064			099065		
LAB:	WMCO			IT-KNOX			IT/MWL			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZOIC ACID										50 UG/L		U			
BENZYL ALCOHOL										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE										10 UG/L		U			
BUTYL BENZYL PHTHALATE										10 UG/L		U			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										10 UG/L		U			
DI-N-OCTYL PHTHALATE										10 UG/L		U			
DIBENZO(A,H)ANTHRACENE										10 UG/L		U			
DIBENZOFURAN										10 UG/L		U			
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		U			
HEXACHLOROBENZENE										10 UG/L		U			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		U			
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		U			
ISOPHORONE										10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		U			
PENTACHLOROPHENOL										50 UG/L		U			
PHENANTHRENE										10 UG/L		U			
PHENOL				.01 MG/L		U				10 UG/L		U			
PYRENE										10 UG/L		U			
TRIBUTYL PHOSPHATE										10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE										5 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										5 UG/L		U			
1,1,2-TRICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHENE										5 UG/L		U			
1,2-DICHLOROETHANE										5 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										5 UG/L		U			
1,2-DICHLOROPROPANE										5 UG/L		U			
2-BUTANONE										10 UG/L		UJ			
2-HEXANONE										10 UG/L		UJ			
4-METHYL-2-PENTANONE										10 UG/L		UJ			

SAMPLE NUMBER:	098953			099064			099064			099064			099065		
LAB:	WMCO			IT-KNOX			IT/MWL			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ACETONE										10 UG/L		UJ			
BENZENE										5 UG/L		U			
BROMODICHLOROMETHANE										5 UG/L		U			
BROMOFORM										5 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										5 UG/L		U			
CARBON TETRACHLORIDE										5 UG/L		U			
CHLOROBENZENE										5 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										5 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										5 UG/L		U			
DIBROMOCHLOROMETHANE										5 UG/L		U			
ETHYLBENZENE										5 UG/L		U			
METHYLENE CHLORIDE										5 UG/L		U			
STYRENE										5 UG/L		U			
TETRACHLOROETHENE										5 UG/L		U			
TOLUENE										5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		U			
TRICHLOROETHENE										5 UG/L		U			
VINYL ACETATE										10 UG/L		UJ			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099066	098949	098949	098950	099121
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	FERMCO	IT	IT	WMCO	IT/RSL
WELL OR BORING NUMBER:	1844	1844	1844	1844	1866
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-NOV-92	24-JUL-92	24-JUL-92	24-JUL-92	29-DEC-92
NORTH COORDINATE:	479900.92	479900.92	479900.92	479900.92	479487.97
EAST COORDINATE:	1382800.94	1382800.94	1382800.94	1382800.94	1381642.45
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.19 MG/L		-						
CHLORIDE							9.83 MG/L		-						
FLUORIDE							.43 MG/L		-						
NITRATE/NITRITE							.1 MG/L		U						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.09 MG/L		-						
SULFATE							59.31 MG/L		-						
SULFIDE							.5 MG/L		U						
TOTAL ORGANIC CARBON							1.51 MG/L		-						
TOTAL ORGANIC HALIDES							.0195 MG/L		-						
TOTAL ORGANIC NITROGEN							.6 MG/L		-						
INORGANICS															
ALUMINUM				.03 MG/L		U									
ANTIMONY				.03 MG/L		UJ									
ARSENIC				.002 MG/L		UJ									
BARIUM				.0997 MG/L		-									
BERYLLIUM				.002 MG/L		U									
CADMIUM				.005 MG/L		UJ									
CALCIUM				105 MG/L		-									
CHROMIUM				.01 MG/L		U									
COBALT				.01 MG/L		U									
COPPER				.01 MG/L		U									
IRON				.102 MG/L		U									
LEAD				.002 MG/L		U									
MAGNESIUM				60.2 MG/L		-									
MANGANESE				.329 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.02 MG/L		U									
NICKEL				.02 MG/L		U									
POTASSIUM				3.01 MG/L		-									

SAMPLE NUMBER:	099066			098949			098949			098950			099121		
LAB:	FERMCO			IT			IT			WMCO			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.002 MG/L		U									
SILICON				9.41 MG/L		-									
SILVER				.01 MG/L		UJ									
SODIUM				33.5 MG/L		-									
VANADIUM				.01 MG/L		U									
ZINC				.0065 MG/L		J									
RADIONUCLIDES															
URANIUM-238							2.39 PCI/L	.66	J						
URANIUM, TOTAL	3.8 UG/L		NV				6.75 UG/L	1	J	4.4 UG/L		NV	.29 UG/L	.03	J
URANIUM-234							3.92 PCI/L	.88	J						
THORIUM-230							.68 PCI/L	.31	J						
RADIUM-226							1 PCI/L	.3	UJ						
URANIUM-235/236							.41 PCI/L		UJ						
THORIUM-232							.4 PCI/L		UJ						
THORIUM, TOTAL							2.9 UG/L		UJ				1 UG/L		UJ
RADIUM-228							3 PCI/L		UJ						
THORIUM-228							.3 PCI/L		UJ						
PLUTONIUM-239/240							.5 PCI/L		UJ						
PLUTONIUM-238							.5 PCI/L		UJ						
STRONTIUM-90							1 PCI/L		UJ						
TECHNETIUM-99							16 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							15.3 PCI/L		UJ						
GROSS ALPHA							11 PCI/L	6	NV						
GROSS BETA							6.85 PCI/L	4.06	NV						
SEMIVOLATILES															
CUMENE							5 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHENE							5 UG/L		U						
1,2-DICHLOROETHANE							5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		U						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		U						
BENZENE							5 UG/L		U						

SAMPLE NUMBER:	099066			098949			098949			098950			099121		
LAB:	FERMCO			IT			IT			WMCO			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE							5 UG/L		U						
BROMOFORM							5 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							5 UG/L		U						
CARBON TETRACHLORIDE							5 UG/L		U						
CHLOROBENZENE							5 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							5 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							5 UG/L		U						
DIBROMOCHLOROMETHANE							5 UG/L		U						
ETHYLBENZENE							5 UG/L		U						
METHYLENE CHLORIDE							29 UG/L		U						
STYRENE							5 UG/L		U						
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U						
TRICHLOROETHENE							5 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099125	099125	098804	102863	102863
TASK:	50.03.07	50.03.07	50.03.07	50.03.11	50.03.11
LAB:	IT/RSL	IT/RSL	IT	IT	IT
WELL OR BORING NUMBER:	1868	1868	1869	1869	1869
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-JAN-93	27-JAN-93	04-MAY-93	17-AUG-92	17-AUG-92
NORTH COORDINATE:	479516.95	479516.95	479696.13	479696.13	479696.13
EAST COORDINATE:	1380691.01	1380691.01	1380941.76	1380941.76	1380941.76
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	RE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN													.34 NG/L		U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN													.22 NG/L		U
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN													.28 NG/L		U
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN													.47 NG/L		U
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN													.51 NG/L		U
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN													.44 NG/L		U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN													.49 NG/L		U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN													.4 NG/L		U
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN													.61 NG/L		U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN													.19 NG/L		U
1,2,3,7,8-PENTACHLORODIBENZOFURAN													.55 NG/L		U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN													.53 NG/L		U
2,3,4,7,8-PENTACHLORODIBENZOFURAN													.54 NG/L		U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN													.67 NG/L		U
2,3,7,8-TETRACHLORODIBENZOFURAN													.22 NG/L		U
HEPTACHLORODIBENZO-P-DIOXINS													.34 NG/L		U

SAMPLE NUMBER:	099125			099125			098804			102863			102863		
LAB:	IT/RSL			IT/RSL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			RE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
HEPTACHLORODIBENZOFURANS													.88 NG/L		U
HEXACHLORODIBENZO-P-DIOXINS													1.6 NG/L		U
HEXACHLORODIBENZOFURANS													.53 NG/L		U
OCTACHLORODIBENZO-P-DIOXIN													.23 NG/L		U
OCTACHLORODIBENZOFURAN													.51 NG/L		U
PENTACHLORODIBENZO-P-DIOXIN S													2.6 NG/L		U
PENTACHLORODIBENZOFURANS													.54 NG/L		U
TETRACHLORODIBENZO-P-DIOXIN S													.27 NG/L		U
TETRACHLORODIBENZOFURANS													.58 NG/L		U
GENERAL CHEMISTRY															
AMMONIA													.1 MG/L		U
CHLORIDE													3.59 MG/L		-
FLUORIDE													.27 MG/L		-
NITRATE													.1 MG/L		U
PHENOLS													.01 MG/L		U
PHOSPHORUS													1.278 MG/L		-
SULFATE													122.9 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL ORGANIC CARBON													1.05 MG/L		-
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC NITROGEN													.55 MG/L		U
INORGANICS															
ALUMINUM										.03 MG/L		U			
ANTIMONY										.005 MG/L		UJ			
ARSENIC										.0025 MG/L		U			
BARIUM										.0382 MG/L		-			
BERYLLIUM										.002 MG/L		U			
CADMIUM										.005 MG/L		U			
CALCIUM										114 MG/L		-			
CHROMIUM										.01 MG/L		U			
COBALT										.01 MG/L		U			
COPPER										.01 MG/L		U			
CYANIDE													.002 MG/L		UJ
IRON										.02 MG/L		U			
LEAD										.0025 MG/L		U			
MAGNESIUM										33.7 MG/L		-			
MANGANESE										.01 MG/L		U			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										.797 MG/L		-			

SAMPLE NUMBER:	099125			099125			098804			102863			102863		
LAB:	IT/RSL			IT/RSL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			RE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM										.002 MG/L		U			
SILICON										7.31 MG/L		-			
SILVER										.01 MG/L		UJ			
SODIUM										5.42 MG/L		-			
THALLIUM										.002 MG/L		U			
VANADIUM										.01 MG/L		U			
ZINC										.0062 MG/L		U			
PESTICIDES															
4,4'-DDD													.1 UG/L		U
4,4'-DDE													.1 UG/L		U
4,4'-DDT													.1 UG/L		U
ALDRIN													.05 UG/L		U
ALPHA-BHC													.05 UG/L		U
ALPHA-CHLORDANE													.5 UG/L		U
AROCLOR-1016													.5 UG/L		U
AROCLOR-1221													.5 UG/L		U
AROCLOR-1232													.5 UG/L		U
AROCLOR-1242													.5 UG/L		U
AROCLOR-1248													.5 UG/L		U
AROCLOR-1254													1 UG/L		U
AROCLOR-1260													1 UG/L		U
BETA-BHC													.05 UG/L		U
DELTA-BHC													.05 UG/L		U
DIELDRIN													.1 UG/L		U
ENDOSULFAN II													.1 UG/L		U
ENDOSULFAN SULFATE													.1 UG/L		U
ENDOSULFAN-I													.05 UG/L		U
ENDRIN													.1 UG/L		U
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.05 UG/L		U
GAMMA-CHLORDANE													.5 UG/L		U
HEPTACHLOR													.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
TOXAPHENE													1 UG/L		U
RADIONUCLIDES															
URANIUM-238										1 PCI/L		UJ			
URANIUM, TOTAL	4.8 UG/L	4.8	NV				28.9 UG/L	4	J	4.08 UG/L	.61	-			
URANIUM-234										1.2 PCI/L	.32	J			
THORIUM-230							.2 PCI/L		UJ	1 PCI/L		UJ			
RADIUM-226										1.61 PCI/L	.58	J			
URANIUM-235/236										1 PCI/L		UJ			
THORIUM-232							.2 PCI/L	.1087	UJ	1 PCI/L		UJ			

SAMPLE NUMBER:	099125			099125			098804			102863			102863		
LAB:	IT/RSL			IT/RSL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			RE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM, TOTAL				.84 UG/L		UJ	1.49 UG/L	.99	J	2.2 UG/L		UJ			
RADIUM-228										3 PCI/L		UJ			
THORIUM-228							13 PCI/L		UJ	1 PCI/L		UJ			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		UJ			
PLUTONIUM-238										1 PCI/L		UJ			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										52.9 PCI/L	12.7	J			
RUTHENIUM-106										150 PCI/L		U			
CESIUM-137										20 PCI/L		U			
GROSS ALPHA										6.8 PCI/L		UNV			
GROSS BETA										4 PCI/L		UNV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													50 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U
2,4-DINITROPHENOL													50 UG/L		UJ
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													50 UG/L		U
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													20 UG/L		U
3-NITROANILINE													50 UG/L		U
4,6-DINITRO-2-METHYLPHENOL													50 UG/L		UJ
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													50 UG/L		U
4-NITROPHENOL													50 UG/L		U
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U

SAMPLE NUMBER:	099125			099125			098804			102863			102863		
LAB:	IT/RSL			IT/RSL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			RE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(G,H,I)PERYLENE													10 UG/L		UJ
BENZO(K)FLUORANTHENE													10 UG/L		U
BENZOIC ACID													50 UG/L		U
BENZYL ALCOHOL													10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		U
BUTYL BENZYL PHTHALATE													10 UG/L		U
CARBAZOLE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													10 UG/L		U
DI-N-OCTYL PHTHALATE													10 UG/L		U
DIBENZO(A,H)ANTHRACENE													10 UG/L		UJ
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		U
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		UJ
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													50 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL													10 UG/L		U
PYRENE													10 UG/L		U
TRIBUTYL PHOSPHATE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U

SAMPLE NUMBER:	099125			099125			098804			102863			102863		
LAB:	IT/RSL			IT/RSL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			RE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		UJ
4-METHYL-2-PENTANONE													10 UG/L		UJ
ACETONE													10 UG/L		U
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		UJ
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL ACETATE													10 UG/L		UJ
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	102865	108903	108903	108903	108903
TASK:	50.03.11	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	DATACHEM	IT	IT	IT/MWL	IT/MWL
WELL OR BORING NUMBER:	1869	1887	1887	1887	1887
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-AUG-92	03-FEB-93	03-FEB-93	03-FEB-93	03-FEB-93
NORTH COORDINATE:	479696.13	482410.68	482410.68	482410.68	482410.68
EAST COORDINATE:	1380941.76	1380855.73	1380855.73	1380855.73	1380855.73
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	RE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN							25 NG/L		U						
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN							25 NG/L		U						
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN							25 NG/L		U						
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN							25 NG/L		U						
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN							17 NG/L		R						
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN							25 NG/L		U						
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN							12 NG/L		R						
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN							25 NG/L		U						
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN							25 NG/L		U						
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN							25 NG/L		U						
1,2,3,7,8-PENTACHLORODIBENZOFURAN							25 NG/L		U						
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN							25 NG/L		U						
2,3,4,7,8-PENTACHLORODIBENZOFURAN							25 NG/L		U						
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN							10 NG/L		U						
2,3,7,8-TETRACHLORODIBENZOFURAN							10 NG/L		U						
HEPTACHLORODIBENZO-P-DIOXINS							25 NG/L		U						

SAMPLE NUMBER:	102865			108903			108903			108903			108903		
LAB:	DATACHEM			IT			IT			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			RE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
HEPTACHLORODIBENZOFURANS							25 NG/L		U						
HEXACHLORODIBENZO-P-DIOXINS							25 NG/L		U						
HEXACHLORODIBENZOFURANS							29 NG/L		R						
OCTACHLORODIBENZO-P-DIOXIN							50 NG/L		U						
OCTACHLORODIBENZOFURAN							50 NG/L		U						
PENTACHLORODIBENZO-P-DIOXINS							25 NG/L		U						
PENTACHLORODIBENZOFURANS							25 NG/L		U						
TETRACHLORODIBENZO-P-DIOXINS							10 NG/L		U						
TETRACHLORODIBENZOFURANS							10 NG/L		U						
INORGANICS															
ALUMINUM										.145 MG/L		-			
ANTIMONY										.005 MG/L		UJ			
ARSENIC										.002 MG/L		U			
BARIUM										.0443 MG/L		-			
BERYLLIUM										.002 MG/L		U			
CADMIUM										.005 MG/L		U			
CALCIUM										91.6 MG/L		-			
CHROMIUM										.01 MG/L		U			
COBALT										.01 MG/L		U			
COPPER										.01 MG/L		U			
CYANIDE													.002 MG/L		UJ
IRON										.02 MG/L		U			
LEAD										.002 MG/L		U			
MAGNESIUM										27.5 MG/L		-			
MANGANESE										.0778 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										1.81 MG/L		-			
SELENIUM										.002 MG/L		U			
SILICON										7.73 MG/L		-			
SILVER										.01 MG/L		U			
SODIUM										42.3 MG/L		-			
THALLIUM										.002 MG/L		U			
VANADIUM										.01 MG/L		U			
ZINC										.005 MG/L		U			
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL	.5 UG/L		UJ				2.5 UG/L		U						
DEMETON	.2 UG/L		U				2 UG/L		U						
DIAZINON	.2 UG/L		U				1 UG/L		U						
DISULFOTON	.2 UG/L		U				1 UG/L		U						

SAMPLE NUMBER:	102865			108903			108903			108903			108903		
LAB:	DATACHEM			IT			IT			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			RE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
ORGANOPHOSPHORUS PESTICIDES															
ETHION	.5 UG/L		U				1 UG/L		U						
MALATHION	.2 UG/L		U				1 UG/L		U						
METHYL PARATHION	.2 UG/L		U				1 UG/L		U						
PARATHION	.2 UG/L		U				1 UG/L		U						
PESTICIDES															
4,4'-DDD													.1 UG/L		U
4,4'-DDE													.1 UG/L		U
4,4'-DDT													.1 UG/L		U
ALDRIN													.05 UG/L		U
ALPHA-BHC													.05 UG/L		U
ALPHA-CHLORDANE													.5 UG/L		U
AROCLOR-1016													.5 UG/L		U
AROCLOR-1221													.5 UG/L		U
AROCLOR-1232													.5 UG/L		U
AROCLOR-1242													.5 UG/L		U
AROCLOR-1248													.5 UG/L		U
AROCLOR-1254													1 UG/L		U
AROCLOR-1260													1 UG/L		U
BETA-BHC													.05 UG/L		U
DELTA-BHC													.05 UG/L		U
DIELDRIN													.1 UG/L		U
ENDOSULFAN II													.1 UG/L		U
ENDOSULFAN SULFATE													.1 UG/L		U
ENDOSULFAN-I													.05 UG/L		U
ENDRIN													.1 UG/L		U
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.05 UG/L		U
GAMMA-CHLORDANE													.5 UG/L		U
HEPTACHLOR							25 NG/L		U				.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
TOXAPHENE													1 UG/L		U
RADIONUCLIDES															
THORIUM-230				.25 PCI/L	.148	J									
THORIUM-232				.2 PCI/L	.0593	UJ									
THORIUM, TOTAL				1.28 UG/L		UJ									
THORIUM-228				.2 PCI/L	.0618	UJ									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U

SAMPLE NUMBER:	102865			108903			108903			108903			108903		
LAB:	DATACHEM			IT			IT			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			RE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													50 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U
2,4-DINITROPHENOL													50 UG/L		UJ
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													50 UG/L		U
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													20 UG/L		U
3-NITROANILINE													50 UG/L		U
4,6-DINITRO-2-METHYLPHENOL													50 UG/L		U
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													50 UG/L		U
4-NITROPHENOL													50 UG/L		U
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		U
BENZOIC ACID													50 UG/L		U
BENZYL ALCOHOL													10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		U
BUTYL BENZYL PHTHALATE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													10 UG/L		U
DI-N-OCTYL PHTHALATE													10 UG/L		U
DIBENZO(A,H)ANTHRACENE													10 UG/L		U
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U
FLUORANTHENE													10 UG/L		U

SAMPLE NUMBER:	102865			108903			108903			108903			108903		
LAB:	DATACHEM			IT			IT			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			RE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		U
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		U
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													50 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL													10 UG/L		U
PYRENE													10 UG/L		U
TRIBUTYL PHOSPHATE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE													28 UG/L		-
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													37 UG/L		-
1,1-DICHLOROETHENE													2 UG/L		J
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													11 UG/L		-
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		UJ
2-HEXANONE													10 UG/L		UJ
4-METHYL-2-PENTANONE													10 UG/L		UJ
ACETONE													10 UG/L		UJ
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		UJ
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U

SAMPLE NUMBER:	102865			108903			108903			108903			108903		
LAB:	DATACHEM			IT			IT			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			RE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TETRACHLOROETHENE													4 UG/L		J
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL ACETATE													10 UG/L		UJ
VINYL CHLORIDE													10 UG/L		UJ
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	108903	120496	120496	120497	120497F
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT/RSL	IT	IT	IT	IT
WELL OR BORING NUMBER:	1887	1887	1887	1887	1887
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-FEB-93	30-JUL-93	30-JUL-93	30-JUL-93	30-JUL-93
NORTH COORDINATE:	482410.68	482410.68	482410.68	482410.68	482410.68
EAST COORDINATE:	1380855.73	1380855.73	1380855.73	1380855.73	1380855.73
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							356 MG/L		-						
AMMONIA							.1 MG/L		U						
CHLORIDE							11.03 MG/L		-						
FLUORIDE							.31 MG/L		-						
NITRATE							.1 MG/L		U						
PHOSPHORUS							2.23 MG/L		-						
SULFATE							67.6 MG/L		-						
TOTAL KJELDAHL NITROGEN							.24 MG/L		-						
TOTAL ORGANIC NITROGEN							.24 MG/L		-						
INORGANICS															
ALUMINUM				.144 MG/L		U	11.9 MG/L		-						
ANTIMONY				.005 MG/L		U	.005 MG/L		U						
ARSENIC				.0025 MG/L		J	.002 MG/L		-						
BARIUM				.0531 MG/L		-	.108 MG/L		-						
BERYLLIUM				.002 MG/L		U	.002 MG/L		U						
CADMIUM				.005 MG/L		U	.005 MG/L		U						
CALCIUM				105 MG/L		-	120 MG/L		-						
CHROMIUM				.01 MG/L		U	.0196 MG/L		-						
COBALT				.01 MG/L		U	.01 MG/L		U						
COPPER				.01 MG/L		U	.0159 MG/L		-						
CYANIDE							.002 MG/L		U						
IRON				.02 MG/L		U	14.1 MG/L		-						
LEAD				.002 MG/L		U	.0059 MG/L		-						
MAGNESIUM				34.2 MG/L		-	38.7 MG/L		-						
MANGANESE				.0308 MG/L		-	.232 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
MOLYBDENUM				.02 MG/L		U	.02 MG/L		U						
NICKEL				.02 MG/L		U	.02 MG/L		U						
POTASSIUM				1.45 MG/L		-	4.8 MG/L		-						
SELENIUM				.002 MG/L		U	.002 MG/L		U						

SAMPLE NUMBER:	108903			120496			120496			120497			120497F		
LAB:	IT/RSL			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SILICON				7.88 MG/L		-	27 MG/L		-						
SILVER				.01 MG/L		U	.01 MG/L		U						
SODIUM				23 MG/L		-	22.4 MG/L		-						
THALLIUM				.002 MG/L		U	.002 MG/L		U						
VANADIUM				.01 MG/L		U	.0258 MG/L		-						
ZINC				.005 MG/L		U	.0497 MG/L		-						
RADIONUCLIDES															
URANIUM-238	4.77 PCI/L	1.08	NV							3.28 PCI/L	.72	-	2.91 PCI/L	.63	-
URANIUM, TOTAL	14.4 UG/L	2.1	NV							8.09 UG/L		J	7.53 UG/L		J
URANIUM-234	6.64 PCI/L	1.37	NV							3.63 PCI/L	.78	-	3.47 PCI/L	.74	-
THORIUM-230	.25 PCI/L	.148	NV							1.63 PCI/L	.46	J	.727 PCI/L	.271	J
RADIUM-226	1 PCI/L		UNV							1 PCI/L	.224	UJ	.09 PCI/L	.106	UJ
URANIUM-235/236	1 PCI/L		UNV							.2 PCI/L	.0835	U	.236 PCI/L	.119	-
THORIUM-232	.2 PCI/L	.0593	UJ							.4727 PCI/L	.2103	J	.02094 PCI/L	.05334	UJ
THORIUM, TOTAL	.5 UG/L		UNV							4.31 UG/L		J	.191 UG/L		UJ
RADIUM-228	3 PCI/L		UNV							3 PCI/L	.868	UJ	.033 PCI/L	.699	UJ
THORIUM-228	.2 PCI/L	.0618	UNV							.488 PCI/L	.214	-	-.014 PCI/L	.0618	U
NEPTUNIUM-237	.5 PCI/L	.187	UNV							.6258 PCI/L	.349	J	.2508 PCI/L	.1757	UJ
PLUTONIUM-239/240	1 PCI/L	0	R							.5 PCI/L	.2075	UJ	.1564 PCI/L	.1315	U
PLUTONIUM-238	1 PCI/L	0	R							.5 PCI/L	.2715	UJ	0 PCI/L	0	U
STRONTIUM-90	1 PCI/L	.486	UNV							1 PCI/L	.437	UJ	-.115 PCI/L	.386	UJ
TECHNETIUM-99	15 PCI/L	7.91	UNV							15 PCI/L	8.95	UJ	-1.82 PCI/L	8.77	UJ
RUTHENIUM-106	150 PCI/L		UNV							150 PCI/L		UJ	110 PCI/L		UJ
CESIUM-137	20 PCI/L		UNV							9.9 PCI/L		UJ	13 PCI/L		UJ
GROSS ALPHA	7.9 PCI/L		UNV							11.1 PCI/L	7.1	NV	1.42 PCI/L	2.73	NV
GROSS BETA	12.2 PCI/L	3.9	NV							26.2 PCI/L	6.1	NV	3.97 PCI/L	2.61	NV
VOLATILES															
1,1,1-TRICHLOROETHANE							27 UG/L		-						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							38 UG/L		-						
1,1-DICHLOROETHENE							3 UG/L		J						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							11 UG/L		-						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		UJ						
2-HEXANONE							10 UG/L		UJ						
4-METHYL-2-PENTANONE							10 UG/L		UJ						
ACETONE							10 UG/L		UJ						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		UJ						

SAMPLE NUMBER:	108903			120496			120496			120497			120497F		
LAB:	IT/RSL			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							1 UG/L		J						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							2 UG/L		J						
TOLUENE							1 UG/L		J						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							1 UG/L		J						
VINYL ACETATE							10 UG/L		UJ						
VINYL CHLORIDE							10 UG/L		UJ						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	108902	108902	108907	108913	108914
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.23
LAB:	IT/MWL	IT/RSL	IT/MWL	FERMCO	DATACHEM
WELL OR BORING NUMBER:	1890	1890	1890	1890	1890
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-FEB-93	03-FEB-93	04-FEB-93	08-JUN-93	08-JUN-93
NORTH COORDINATE:	482531.73	482531.73	482531.73	482531.73	482531.73
EAST COORDINATE:	1380778.07	1380778.07	1380778.07	1380778.07	1380778.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE							.0022 MG/L		J						
RADIONUCLIDES															
GROSS ALPHA				26.1 PCI/L	8.3	NV				270 PCI/L		UNV			
GROSS BETA				12.5 PCI/L	3.9	NV				780 PCI/L		UNV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													25 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U
2,4-DINITROPHENOL													25 UG/L		U
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													25 UG/L		U
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													10 UG/L		U
3-NITROANILINE													25 UG/L		U
4,6-DINITRO-2-METHYLPHENOL													25 UG/L		U
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U

000523

SAMPLE NUMBER:	108902			108902			108907			108913			108914		
LAB:	IT/MWL			IT/RSL			IT/MWL			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													25 UG/L		UR
4-NITROPHENOL													25 UG/L		U
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE													.4 UG/L		J
BUTYL BENZYL PHTHALATE													10 UG/L		U
CARBAZOLE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													.4 UG/L		J
DI-N-OCTYL PHTHALATE													10 UG/L		U
DIBENZO(A,H)ANTHRACENE													10 UG/L		U
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													.6 UG/L		J
DIMETHYL PHTHALATE													10 UG/L		U
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		U
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		U
ISOPHORONE													10 UG/L		UJ
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													25 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL													10 UG/L		U
PYRENE													10 UG/L		UJ
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												

SAMPLE NUMBER:	108902			108902			108907			108913			108914		
LAB:	IT/MWL			IT/RSL			IT/MWL			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	16 UG/L		-												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	2 UG/L		J												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	20 UG/L		J												
2-HEXANONE	10 UG/L		UJ												
4-METHYL-2-PENTANONE	10 UG/L		UJ												
ACETONE	120 UG/L		J												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		UJ												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	8 UG/L		J												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		UJ												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		UJ												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	108909	108909	108909	108911	109028
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	40.03.05
LAB:	IT/MWL	IT/MWL	IT/RSL	FERMCO	IT/RSL
WELL OR BORING NUMBER:	1890	1890	1890	1890	1891
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-APR-93	23-APR-93	23-APR-93	23-APR-93	23-APR-93
NORTH COORDINATE:	482531.73	482531.73	482531.73	482531.73	480361.12
EAST COORDINATE:	1380778.07	1380778.07	1380778.07	1380778.07	1378334.7
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	1.49 MG/L		-												
ANTIMONY	.005 MG/L		UJ												
ARSENIC	.002 MG/L		U												
BARIUM	.068 MG/L		-												
BERYLLIUM	.002 MG/L		U												
CADMIUM	.005 MG/L		U												
CALCIUM	119 MG/L		J												
CHROMIUM	.01 MG/L		U												
COBALT	.01 MG/L		U												
COPPER	.01 MG/L		U												
CYANIDE				.002 MG/L		U									
IRON	1.61 MG/L		-												
LEAD	.002 MG/L		U												
MAGNESIUM	23.7 MG/L		J												
MANGANESE	.0772 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.02 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	2.08 MG/L		-												
SELENIUM	.0024 MG/L		J												
SILICON	7.4 MG/L		-												
SILVER	.01 MG/L		U												
SODIUM	15.2 MG/L		J												
THALLIUM	.002 MG/L		UJ												
VANADIUM	.01 MG/L		U												
ZINC	.036 MG/L		U												
RADIONUCLIDES															
URANIUM-238							8.99 PCI/L	2	NV				112 PCI/L	24	J
URANIUM, TOTAL							21.8 UG/L	3	NV	23 UG/L		NV	333.76 PCI/L	24	NV
URANIUM-234							8.04 PCI/L	1.8	NV						

SAMPLE NUMBER:	108909			108909			108909			108911			109028		
LAB:	IT/MWL			IT/MWL			IT/RSL			FERMCO			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230							1.41 PCI/L	.4	NV						
RADIUM-226							1 PCI/L		UNV				1 PCI/L	.18	UJ
URANIUM-235/236							1 PCI/L		NV						
THORIUM-232							1.167 PCI/L	.3488	NV						
THORIUM, TOTAL							10.6 UG/L	3.2	NV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							1 PCI/L		NV						
NEPTUNIUM-237							.954 PCI/L	.5126	NV						
PLUTONIUM-239/240							1 PCI/L	0	NV						
PLUTONIUM-238							1 PCI/L	0	NV						
STRONTIUM-90							.677 PCI/L	.492	UNV						
TECHNETIUM-99							-1.16 PCI/L	7.98	UNV						
RUTHENIUM-106							130 PCI/L		UNV						
CESIUM-137							20 PCI/L		NV						
GROSS ALPHA							21.6 PCI/L	10	NV						
GROSS BETA							27.3 PCI/L	5.1	NV						
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				12 UG/L		-									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				3 UG/L		J									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		UJ									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				19 UG/L		J									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	108909			108909			108909			108911			109028		
LAB:	IT/MWL			IT/MWL			IT/RSL			FERMCO			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	109030	109031	120320	120323	109032
TASK:	40.03.05	40.03.05	40.03.05	40.03.05	40.03.05
LAB:	WMCO	IT/RSL	IT	FERMCO	IT/MWL
WELL OR BORING NUMBER:	1891	1891	1892	1892	1892
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-APR-93	23-APR-93	08-JUN-93	08-JUN-93	23-APR-93
NORTH COORDINATE:	480361.12	480361.12	480445.99	480445.99	480445.99
EAST COORDINATE:	1378334.7	1378334.7	1378339.25	1378339.25	1378339.25
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM													.399 MG/L		NV
ANTIMONY													.005 MG/L		UNV
ARSENIC													.0029 MG/L		NV
BARIUM													.0537 MG/L		NV
BERYLLIUM													.002 MG/L		UNV
CADMIUM													.005 MG/L		UNV
CALCIUM													176 MG/L		NV
CHROMIUM													.01 MG/L		UNV
COBALT													.01 MG/L		UNV
COPPER													.01 MG/L		UNV
CYANIDE													.002 MG/L		UNV
IRON													.859 MG/L		NV
LEAD							3 PCI/L	1.159	UNV				.002 MG/L		UNV
MAGNESIUM													62.7 MG/L		NV
MANGANESE													.116 MG/L		NV
MERCURY													.0002 MG/L		UNV
MOLYBDENUM													.02 MG/L		UNV
NICKEL													.02 MG/L		UNV
POTASSIUM													3.56 MG/L		NV
SELENIUM													.0327 MG/L		NV
SILICON													9.65 MG/L		NV
SILVER													.01 MG/L		UNV
SODIUM													156 MG/L		NV
THALLIUM													.002 MG/L		UNV
VANADIUM													.01 MG/L		UNV
ZINC													.0101 MG/L		NV
RADIONUCLIDES															
URANIUM, TOTAL	330 UG/L		NV	318 UG/L	43	J				810 UG/L		NV			
LEAD-210							3 PCI/L	1.159	UNV						

SAMPLE NUMBER:	109030			109031			120320			120323			109032		
LAB:	WMCO			IT/RSL			IT			FERMCO			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE													10 UG/L		UNV
1,1,2-TRICHLOROETHANE													10 UG/L		UNV
1,1-DICHLOROETHANE													10 UG/L		UNV
1,1-DICHLOROETHENE													10 UG/L		UNV
1,2-DICHLOROETHANE													10 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		UNV
1,2-DICHLOROPROPANE													10 UG/L		UNV
2-BUTANONE													10 UG/L		UNV
2-HEXANONE													10 UG/L		UNV
4-METHYL-2-PENTANONE													10 UG/L		UNV
ACETONE													4 UG/L		NV
BENZENE													10 UG/L		UNV
BROMODICHLOROMETHANE													10 UG/L		UNV
BROMOFORM													10 UG/L		UNV
BROMOMETHANE													10 UG/L		UNV
CARBON DISULFIDE													10 UG/L		UNV
CARBON TETRACHLORIDE													10 UG/L		UNV
CHLOROBENZENE													10 UG/L		UNV
CHLOROETHANE													10 UG/L		UNV
CHLOROFORM													10 UG/L		UNV
CHLOROMETHANE													10 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													10 UG/L		UNV
DIBROMOCHLOROMETHANE													10 UG/L		UNV
ETHYLBENZENE													10 UG/L		UNV
METHYLENE CHLORIDE													2 UG/L		NV
STYRENE													10 UG/L		UNV
TETRACHLOROETHENE													10 UG/L		UNV
TOLUENE													1 UG/L		NV
TRANS-1,3-DICHLOROPROPENE													10 UG/L		UNV
TRICHLOROETHENE													10 UG/L		UNV
VINYL ACETATE													10 UG/L		UNV
VINYL CHLORIDE													10 UG/L		UNV
XYLENES, TOTAL													10 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	109032	109032	108952	108952	109035
TASK:	40.03.05	40.03.05	40.03.05	40.03.05	40.03.05
LAB:	IT/RSL	ITAS	IT	IT/MWL	IT
WELL OR BORING NUMBER:	1892	1892	1892	1892	1893
DEPTH:	-	-	10-14	10-14	-
DATE COLLECTED:	23-APR-93	23-APR-93	24-MAR-93	24-MAR-93	30-APR-93
NORTH COORDINATE:	480445.99	480445.99	480445.99	480445.99	480560.9
EAST COORDINATE:	1378339.25	1378339.25	1378339.25	1378339.25	1378345.18
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				347 MG/L		NV	480 MG/L		-						
AMMONIA				.23 MG/L		NV	.1 MG/L		U						
CHLORIDE				97.01 MG/L		NV	52.11 MG/L		-						
FLUORIDE				.28 MG/L		NV	.21 MG/L		-						
NITRATE				1.69 MG/L		NV	.77 MG/L		-						
PHENOLS				.01 MG/L		UNV	.01 MG/L		U						
PHOSPHORUS				7.13 MG/L		NV	8.68 MG/L		-						
SULFATE				480.5 MG/L		NV	141.17 MG/L		-						
SULFIDE				.5 MG/L		UNV	2.95 MG/L		-						
TOTAL KJELDAHL NITROGEN				1.57 MG/L		NV	.3 MG/L		-						
TOTAL ORGANIC CARBON				2.08 MG/L		NV	2.96 MG/L		-						
TOTAL ORGANIC HALIDES				.01 MG/L		UNV	54.3 MG/L		-						
TOTAL ORGANIC NITROGEN				1.34 MG/L		NV	.3 MG/L		-						
INORGANICS															
ALUMINUM										1.01 MG/L		-			
ANTIMONY										.0064 MG/L		UJ			
ARSENIC										.002 MG/L		U			
BARIUM										.0455 MG/L		-			
BERYLLIUM										.002 MG/L		U			
CADMIUM										.005 MG/L		U			
CALCIUM										145 MG/L		-			
CHROMIUM										.01 MG/L		U			
COBALT										.01 MG/L		U			
COPPER										.0146 MG/L		-			
CYANIDE										.0036 MG/L		U			
IRON										2.32 MG/L		-			
LEAD										.002 MG/L		UJ			
MAGNESIUM										43 MG/L		-			
MANGANESE										.584 MG/L		-			
MERCURY										.0002 MG/L		U			

SAMPLE NUMBER:	109032			109032			108952			108952			109035		
LAB:	IT/RSL			ITAS			IT			IT/MWL			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM										.02 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										2.5 MG/L		-			
SELENIUM										.0119 MG/L		-			
SILICON										7.99 MG/L		-			
SILVER										.01 MG/L		U			
SODIUM										68.5 MG/L		-			
THALLIUM										.002 MG/L		U			
VANADIUM										.01 MG/L		U			
ZINC										.0221 MG/L		-			
RADIONUCLIDES															
URANIUM-238	434 PCI/L	101	J				126 PCI/L	28	J				55.1 PCI/L	12	NV
URANIUM, TOTAL	1250 UG/L	169	J				321 UG/L	42	-				164.198 PCI/L	12	NV
URANIUM-234	427 PCI/L	99	J				118 PCI/L	26	J						
THORIUM-230	.37 PCI/L	.18	J				1 PCI/L		U						
RADIUM-226	35.8 PCI/L	4.1	J				1 PCI/L		UJ				1 PCI/L		UNV
URANIUM-235/236	21 PCI/L	5.5	J				6.33 PCI/L	1.66	J						
THORIUM-232	.2 PCI/L		UJ				.2 PCI/L	.06344	UJ						
THORIUM, TOTAL	.5 UG/L	.17	UJ				1 UG/L		U						
RADIUM-228	23.7 PCI/L	3	J				3 PCI/L		U						
THORIUM-228	.2 PCI/L		UJ				1 PCI/L		U						
NEPTUNIUM-237	.5 PCI/L		UJ				.5 PCI/L	.1682	U						
PLUTONIUM-239/240	.5 PCI/L		UJ				.5 PCI/L	.1011	UJ						
PLUTONIUM-238	.5 PCI/L		UJ				.5 PCI/L	.2048	U						
STRONTIUM-90	1 PCI/L		UJ				1 PCI/L	.473	UJ						
TECHNETIUM-99	15 PCI/L		UJ				15 PCI/L	6.19	UJ						
RUTHENIUM-106	150 PCI/L		UJ				150 PCI/L		UJ						
CESIUM-137	18.5 PCI/L		UJ				13.798 PCI/L		UJ						
GROSS ALPHA	546 PCI/L	74	NV				350 PCI/L	49	NV						
GROSS BETA	135 PCI/L	18	NV				85.2 PCI/L	12	NV						
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			

SAMPLE NUMBER:	109032			109032			108952			108952			109035		
LAB:	IT/RSL			ITAS			IT			IT/MWL			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL ACETATE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	109019	109021	109026	109025	109020
TASK:	40.03.05	40.03.05	40.03.05	40.03.05	40.03.05
LAB:	IT/RSL	IT/MWL	IT/MWL	IT	IT/RSL
WELL OR BORING NUMBER:	1894	1894	1894	1895	1896
DEPTH:	0-6	0-6	0-6	0-6	0-6
DATE COLLECTED:	16-APR-93	17-APR-93	19-APR-93	18-APR-93	17-APR-93
NORTH COORDINATE:	480367.11	480367.11	480367.11	480442.8	480500.01
EAST COORDINATE:	1378186.62	1378186.62	1378186.62	1378236.88	1378268.38
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM							.219 MG/L		NV						
ANTIMONY							.005 MG/L		UNV						
ARSENIC							.002 MG/L		UNV						
BARIUM							.0147 MG/L		NV						
BERYLLIUM							.002 MG/L		UNV						
CADMIUM							.005 MG/L		UNV						
CALCIUM							96.2 MG/L		NV						
CHROMIUM							.01 MG/L		UNV						
COBALT							.01 MG/L		UNV						
COPPER							.01 MG/L		UNV						
CYANIDE				.002 MG/L		UNV									
IRON							.02 MG/L		UNV						
LEAD							.002 MG/L		UNV						
MAGNESIUM							14.6 MG/L		NV						
MANGANESE							.0317 MG/L		NV						
MERCURY							.0002 MG/L		UNV						
MOLYBDENUM							.02 MG/L		UNV						
NICKEL							.02 MG/L		UNV						
POTASSIUM							2.34 MG/L		NV						
SELENIUM							.002 MG/L		UNV						
SILICON							29.9 MG/L		NV						
SILVER							.01 MG/L		UNV						
SODIUM							16 MG/L		NV						
THALLIUM							.002 MG/L		UNV						
VANADIUM							.01 MG/L		UNV						
ZINC							.0148 MG/L		NV						
RADIONUCLIDES															
URANIUM-238	2.35 PCI/L	.6	NV							1.09 PCI/L	.38	NV	1.08 PCI/L	.33	NV
URANIUM, TOTAL	7.003 PCI/L	.6	NV							3.2482 PCI/L	.38	NV	3.2184 PCI/L	.33	NV
RADIUM-226	1 PCI/L		UNV							1 PCI/L		UNV	1 PCI/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	109027			114620			114620			114622			114626		
TASK:	40.03.05			20.03.05			20.03.05			20.03.05			20.03.05		
LAB:	IT/MWL			IT			ITAS			IT			IT		
WELL OR BORING NUMBER:	1896			1934			1934			1934			1937		
DEPTH:	0-6			-			-			-			-		
DATE COLLECTED:	19-APR-93			13-MAY-93			13-MAY-93			13-MAY-93			01-JUN-93		
NORTH COORDINATE:	480500.01			480394.07			480394.07			480394.07			480645.51		
EAST COORDINATE:	1378268.38			1379744.81			1379744.81			1379744.81			1379534.49		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			NORMAL		
QC OF:										114620					
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							385 MG/L		-						
AMMONIA							.15 MG/L		-						
CHLORIDE							47.1 MG/L		-						
FLUORIDE							.44 MG/L		-						
NITRATE							.1 MG/L		UR						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							4.13 MG/L		-						
SULFATE							77.8 MG/L		-						
SULFIDE							1.35 MG/L		-						
TOTAL KJELDAHL NITROGEN							.5 MG/L		-						
TOTAL ORGANIC CARBON							1.57 MG/L		-				1.65 MG/L		-
TOTAL ORGANIC HALIDES							.0179 MG/L		-						
TOTAL ORGANIC NITROGEN							1.2 MG/L		-						
INORGANICS															
ALUMINUM				.0904 MG/L		-				49.8 MG/L		-			
ANTIMONY				.0014 MG/L		UJ				.0028 MG/L		UJ			
ARSENIC				.001 MG/L		UJ				.014 MG/L		J			
BARIUM				.147 MG/L		-				.444 MG/L		-			
BERYLLIUM				.001 MG/L		U				.0068 MG/L		-			
CADMIUM				.002 MG/L		U				.0062 MG/L		-			
CALCIUM				96 MG/L		-				781 MG/L		-			
CHROMIUM				.004 MG/L		U				.0639 MG/L		-			
COBALT				.003 MG/L		U				.0481 MG/L		-			
COPPER				.002 MG/L		U				.113 MG/L		-			
CYANIDE	.002 MG/L		UNV	.001 MG/L		U									
IRON				.0402 MG/L		-				94.8 MG/L		-			
LEAD				.001 MG/L		U				.0514 MG/L		-			
MAGNESIUM				69.1 MG/L		-				325 MG/L		-			
MANGANESE				.099 MG/L		-				3.06 MG/L		-			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			

SAMPLE NUMBER:	109027			114620			114620			114622			114626		
LAB:	IT/MWL			IT			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM				.0062 MG/L		-				.01 MG/L		-			
NICKEL				.003 MG/L		U				.108 MG/L		-			
POTASSIUM				.837 MG/L		-				12 MG/L		-			
SELENIUM				.001 MG/L		UJ				.001 MG/L		UJ			
SILICON				6.03 MG/L		-				71.3 MG/L		-			
SILVER				.002 MG/L		U				.002 MG/L		U			
SODIUM				12.3 MG/L		-				13.6 MG/L		-			
THALLIUM				.001 MG/L		UJ				.001 MG/L		UJ			
VANADIUM				.008 MG/L		U				.125 MG/L		-			
ZINC				.0029 MG/L		U				.284 MG/L		-			
PESTICIDES															
4,4'-DDD							.1 UG/L		U						
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						
ALDRIN							.05 UG/L		U						
ALPHA-BHC							.05 UG/L		U						
ALPHA-CHLORDANE							.05 UG/L		U						
AROCLOR-1016							1 UG/L		U						
AROCLOR-1221							2 UG/L		U						
AROCLOR-1232							1 UG/L		U						
AROCLOR-1242							1 UG/L		U						
AROCLOR-1248							1 UG/L		U						
AROCLOR-1254							1 UG/L		U						
AROCLOR-1260							1 UG/L		U						
BETA-BHC							.05 UG/L		U						
DELTA-BHC							.05 UG/L		U						
DIELDRIN							.1 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.1 UG/L		U						
ENDRIN ALDEHYDE							.1 UG/L		U						
ENDRIN KETONE							.1 UG/L		U						
GAMMA-BHC (LINDANE)							.05 UG/L		U						
GAMMA-CHLORDANE							.05 UG/L		U						
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							5 UG/L		U						
RADIONUCLIDES															
URANIUM-238				1.89 PCI/L	.542	-				5.75 PCI/L	1.39	-			
URANIUM, TOTAL				4.77 UG/L	.727	-				17.5 UG/L	2.63	-			
URANIUM-234				1.81 PCI/L	.525	-				6.69 PCI/L	1.59	-			

SAMPLE NUMBER:	109027			114620			114620			114622			114626		
LAB:	IT/MWL			IT			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230				.308 PCI/L		UJ				6.67 PCI/L	1.72	-			
RADIUM-226				1 PCI/L	.149	U				1.4 PCI/L	.332	-			
URANIUM-235/236				.2 PCI/L	.13	U				.25 PCI/L	.16	-			
THORIUM-232				.332 PCI/L		UJ				2.6 PCI/L	.791	-			
THORIUM, TOTAL				3.05 UG/L	.6	UJ				23.9 UG/L	7.28	-			
RADIUM-228				3 PCI/L		UJ				3 PCI/L		UJ			
THORIUM-228				.332 PCI/L		UJ				2.87 PCI/L	.862	-			
NEPTUNIUM-237				.5 PCI/L	.153	UJ				.839 PCI/L	.418	N			
PLUTONIUM-239/240				.5 PCI/L		UJ				.5 PCI/L		UJ			
PLUTONIUM-238				.5 PCI/L		UJ				.5 PCI/L		UJ			
STRONTIUM-90				1 PCI/L		UJ				1 PCI/L		UJ			
TECHNETIUM-99				15 PCI/L		UJ				15 PCI/L		UJ			
RUTHENIUM-106				150 PCI/L		UJ				150 PCI/L		UJ			
CESIUM-137				13 PCI/L		UJ				16.1 PCI/L		UJ			
GROSS ALPHA				10.2 PCI/L		UJ				23.8 PCI/L	15.3	J			
GROSS BETA				6 PCI/L		UJ				31.6 PCI/L	10.6	J			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U						
1,2-DICHLOROBENZENE							10 UG/L		U						
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							25 UG/L		U						
2,4,6-TRICHLOROPHENOL							10 UG/L		U						
2,4-DICHLOROPHENOL							10 UG/L		U						
2,4-DIMETHYLPHENOL							10 UG/L		U						
2,4-DINITROPHENOL							25 UG/L		U						
2,4-DINITROTOLUENE							10 UG/L		U						
2,6-DINITROTOLUENE							10 UG/L		U						
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		U						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		U						
2-NITROANILINE							25 UG/L		U						
2-NITROPHENOL							10 UG/L		U						
3,3'-DICHLOROBENZIDINE							10 UG/L		U						
3-NITROANILINE							25 UG/L		U						
4,6-DINITRO-2-METHYLPHENOL							25 UG/L		UR						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		U						
4-NITROANILINE							25 UG/L		UR						
4-NITROPHENOL							25 UG/L		U						
ACENAPHTHENE							10 UG/L		U						
ACENAPHTHYLENE							10 UG/L		U						

SAMPLE NUMBER:	109027			114620			114620			114622			114626		
LAB:	IT/MWL			IT			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		U						
BENZO(B)FLUORANTHENE							10 UG/L		U						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZOIC ACID							50 UG/L		U						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		UJ						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
CARBAZOLE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						
DI-N-OCTYL PHTHALATE							10 UG/L		U						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U						
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		U						
NITROBENZENE							10 UG/L		U						
P-CHLOROANILINE							10 UG/L		U						
PENTACHLOROPHENOL							25 UG/L		U						
PHENANTHRENE							10 UG/L		U						
PHENOL							10 UG/L		U						
PYRENE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U				10 UG/L		U
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U				10 UG/L		U
1,1,2-TRICHLOROETHANE							10 UG/L		U				10 UG/L		U
1,1-DICHLOROETHANE							10 UG/L		U				10 UG/L		U
1,1-DICHLOROETHENE							10 UG/L		U				10 UG/L		U

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SAMPLE NUMBER:	109027			114620			114620			114622			114626		
LAB:	IT/MWL			IT			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE							10 UG/L		U				10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U				10 UG/L		U
1,2-DICHLOROPROPANE							10 UG/L		U				10 UG/L		U
2-BUTANONE							10 UG/L		UJ				10 UG/L		U
2-HEXANONE							10 UG/L		UJ				10 UG/L		U
4-METHYL-2-PENTANONE							10 UG/L		U				10 UG/L		U
ACETONE							4 UG/L		R				10 UG/L		U
BENZENE							10 UG/L		U				10 UG/L		U
BROMODICHLOROMETHANE							10 UG/L		U				10 UG/L		U
BROMOFORM							10 UG/L		U				10 UG/L		U
BROMOMETHANE							10 UG/L		U				10 UG/L		U
CARBON DISULFIDE							10 UG/L		U				10 UG/L		U
CARBON TETRACHLORIDE							10 UG/L		U				10 UG/L		U
CHLOROBENZENE							10 UG/L		U				10 UG/L		U
CHLOROETHANE							10 UG/L		U				10 UG/L		U
CHLOROFORM							10 UG/L		U				10 UG/L		U
CHLOROMETHANE							10 UG/L		U				10 UG/L		U
CIS-1,3-DICHLOROPROPENE							10 UG/L		U				10 UG/L		U
DIBROMOCHLOROMETHANE							10 UG/L		U				10 UG/L		U
ETHYLBENZENE							10 UG/L		U				10 UG/L		U
METHYLENE CHLORIDE							10 UG/L		U				10 UG/L		U
STYRENE							10 UG/L		U				10 UG/L		U
TETRACHLOROETHENE							10 UG/L		U				10 UG/L		U
TOLUENE							10 UG/L		U				10 UG/L		U
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U				10 UG/L		U
TRICHLOROETHENE							10 UG/L		U				10 UG/L		U
VINYL ACETATE													10 UG/L		U
VINYL CHLORIDE							10 UG/L		U				10 UG/L		U
XYLENES, TOTAL							10 UG/L		U				10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	114782	114617	114784	114784	114784
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT	IT	IT/RSL	ITAS
WELL OR BORING NUMBER:	1937	1937	1940	1940	1940
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-JUN-93	11-MAY-93	11-JUN-93	11-JUN-93	11-JUN-93
NORTH COORDINATE:	480645.51	480645.51	480457.72	480457.72	480457.72
EAST COORDINATE:	1379534.49	1379534.49	1379525.12	1379525.12	1379525.12
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				292.5 MG/L		-							327.5 MG/L		-
AMMONIA				.14 MG/L		-							.1 MG/L		U
CHLORIDE				573.8 MG/L		-							180.78 MG/L		-
FLUORIDE				.29 MG/L		-							.28 MG/L		-
NITRATE				.1 MG/L		UR							.1 MG/L		UR
PHENOLS				.01 MG/L		U							.01 MG/L		U
PHOSPHORUS				1 MG/L		-							.7 MG/L		-
SULFATE				57.4 MG/L		-							147.5 MG/L		-
SULFIDE				.5 MG/L		U							.5 MG/L		U
TOTAL KJELDAHL NITROGEN				.29 MG/L		-							.38 MG/L		-
TOTAL ORGANIC CARBON													1.22 MG/L		-
TOTAL ORGANIC HALIDES				.0668 MG/L		-							.0321 MG/L		J
TOTAL ORGANIC NITROGEN				.15 MG/L		-							.38 MG/L		-
INORGANICS															
ALUMINUM	15.4 MG/L		-	.0932 MG/L		-	.786 MG/L		-						
ANTIMONY	.005 MG/L		UJ	.0069 MG/L		UJ	.0587 MG/L		U						
ARSENIC	.0038 MG/L		J	.001 MG/L		U	.0022 MG/L		-						
BARIUM	.217 MG/L		-	.163 MG/L		-	.176 MG/L		-						
BERYLLIUM	.002 MG/L		U	.001 MG/L		U	.0004 MG/L		U						
CADMIUM	.005 MG/L		UJ	.002 MG/L		U	.0031 MG/L		U						
CALCIUM	446 MG/L		-	214 MG/L		-	146 MG/L		-						
CHROMIUM	.0165 MG/L		J	.004 MG/L		U	.0046 MG/L		U						
COBALT	.01 MG/L		U	.003 MG/L		U	.0042 MG/L		U						
COPPER	.01 MG/L		U	.002 MG/L		U	.009 MG/L		-						
CYANIDE				.001 MG/L		U	.002 MG/L		UR						
IRON	23.7 MG/L		-	.0168 MG/L		U	1.37 MG/L		-						
LEAD	.0154 MG/L		-	.001 MG/L		U	.0021 MG/L		U						
MAGNESIUM	144 MG/L		-	82 MG/L		-	56.4 MG/L		-						
MANGANESE	1.29 MG/L		-	.612 MG/L		-	.298 MG/L		-						
MERCURY	.0002 MG/L		U	.0002 MG/L		U	.0001 MG/L		UJ						

000540

SAMPLE NUMBER:	114782			114617			114784			114784			114784		
LAB:	IT			IT			IT			IT/RSL			ITAS		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.01 MG/L		U	.004 MG/L		U	.0142 MG/L		-						
NICKEL	.029 MG/L		J	.003 MG/L		U	.042 MG/L		-						
POTASSIUM	7.4 MG/L		-	2.01 MG/L		-	2.98 MG/L		U						
SELENIUM	.002 MG/L		UJ	.001 MG/L		U	.001 MG/L		UJ						
SILICON	31 MG/L		J	5.95 MG/L		-	7.9 MG/L		-						
SILVER	.01 MG/L		U	.002 MG/L		U	.0035 MG/L		U						
SODIUM	156 MG/L		-	146 MG/L		-	59.4 MG/L		-						
THALLIUM	.01 MG/L		UJ	.001 MG/L		UJ	.001 MG/L		U						
VANADIUM	.0376 MG/L		-	.0109 MG/L		U	.0021 MG/L		U						
ZINC	.0649 MG/L		J	.003 MG/L		U	.0203 MG/L		U						
PESTICIDES															
4,4'-DDD				.1 UG/L		U				.1 UG/L		U			
4,4'-DDE				.1 UG/L		U				.1 UG/L		U			
4,4'-DDT				.1 UG/L		U				.1 UG/L		U			
ALDRIN				.05 UG/L		U				.05 UG/L		U			
ALPHA-BHC				.05 UG/L		U				.05 UG/L		U			
ALPHA-CHLORDANE				.05 UG/L		U				.05 UG/L		U			
AROCLOR-1016				1 UG/L		U				1 UG/L		UJ			
AROCLOR-1221				2 UG/L		U				2 UG/L		UJ			
AROCLOR-1232				1 UG/L		U				1 UG/L		UJ			
AROCLOR-1242				1 UG/L		U				1 UG/L		UJ			
AROCLOR-1248				1 UG/L		U				1 UG/L		UJ			
AROCLOR-1254				1 UG/L		U				1 UG/L		UJ			
AROCLOR-1260				1 UG/L		U				1 UG/L		UJ			
BETA-BHC				.05 UG/L		U				.05 UG/L		U			
DELTA-BHC				.05 UG/L		U				.05 UG/L		UJ			
DIELDRIN				.1 UG/L		U				.1 UG/L		U			
ENDOSULFAN II				.1 UG/L		U				.1 UG/L		U			
ENDOSULFAN SULFATE				.1 UG/L		U				.1 UG/L		U			
ENDOSULFAN-I				.05 UG/L		U				.05 UG/L		U			
ENDRIN				.1 UG/L		U				.1 UG/L		U			
ENDRIN ALDEHYDE				.1 UG/L		U				.1 UG/L		UJ			
ENDRIN KETONE				.1 UG/L		U				.1 UG/L		U			
GAMMA-BHC (LINDANE)				.05 UG/L		U				.05 UG/L		U			
GAMMA-CHLORDANE				.05 UG/L		U				.05 UG/L		U			
HEPTACHLOR				.05 UG/L		U				.05 UG/L		U			
HEPTACHLOR EPOXIDE				.05 UG/L		U				.05 UG/L		U			
METHOXYCHLOR				.5 UG/L		U				.5 UG/L		U			
TOXAPHENE				5 UG/L		U				5 UG/L		UJ			
RADIONUCLIDES															
URANIUM-238	3.19 PCI/L	.84	-	2.13 PCI/L	.623	-	2.58 PCI/L	.668	-						
URANIUM, TOTAL	6.48 UG/L	.94	-	5.16 UG/L	.75	-	6.3 UG/L	.903	-						
URANIUM-234	3.17 PCI/L	.83	-	2.42 PCI/L	.689	J	3.14 PCI/L	.788	-						

SAMPLE NUMBER:	114782			114617			114784			114784			114784		
LAB:	IT			IT			IT			IT/RSL			ITAS		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230	2.74 PCI/L	.85	J	3.04 PCI/L	.956	-	.2 PCI/L		UJ						
RADIUM-226	1 PCI/L		UJ	1 PCI/L		UJ	1 PCI/L	.217	U						
URANIUM-235/236	.2 PCI/L	.13	UJ	.2 PCI/L	.092	UJ	.2 PCI/L	.077	UJ						
THORIUM-232	1.91 PCI/L	.65	-	.2 PCI/L		UJ	.2 PCI/L		UJ						
THORIUM, TOTAL	17.4 UG/L	5.9	-	1.26 UG/L	.92	UJ	1.12 UG/L		UJ						
RADIUM-228				3 PCI/L		UJ	3 PCI/L	.898	U						
THORIUM-228	2.37 PCI/L	.76	-	.294 PCI/L		UJ	.227 PCI/L		UJ						
NEPTUNIUM-237	.5 PCI/L	.116	U	.5 PCI/L	.075	U	.5 PCI/L	.165	UJ						
PLUTONIUM-239/240	.5 PCI/L		UJ	.5 PCI/L	.154	U	.5 PCI/L	.089	U						
PLUTONIUM-238	.5 PCI/L	.11	U	.5 PCI/L		UJ	.5 PCI/L		UJ						
STRONTIUM-90	1 PCI/L		UJ	1 PCI/L		UJ	1 PCI/L		UJ						
TECHNETIUM-99	15 PCI/L		UJ	15 PCI/L		UJ	15 PCI/L		UJ						
RUTHENIUM-106	150 PCI/L		UJ	150 PCI/L		UJ	150 PCI/L		UJ						
CESIUM-137	16 PCI/L		UJ	18.7 PCI/L		UJ	17.8 PCI/L		UJ						
GROSS ALPHA	42.8 PCI/L	25.4	J	17.2 PCI/L		UJ	12.18 PCI/L		UJ						
GROSS BETA	22.8 PCI/L		UJ	12.9 PCI/L		UJ	7.67 PCI/L		UJ						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,2-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,3-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,4-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
2,4,5-TRICHLOROPHENOL				25 UG/L		U				25 UG/L		U			
2,4,6-TRICHLOROPHENOL				10 UG/L		U				10 UG/L		U			
2,4-DICHLOROPHENOL				10 UG/L		U				10 UG/L		U			
2,4-DIMETHYLPHENOL				10 UG/L		U				10 UG/L		U			
2,4-DINITROPHENOL				25 UG/L		U				25 UG/L		UJ			
2,4-DINITROTOLUENE				10 UG/L		U				10 UG/L		U			
2,6-DINITROTOLUENE				10 UG/L		U				10 UG/L		U			
2-BENZYL-4-CHLOROPHENOL										10 UG/L		UJ			
2-CHLORONAPHTHALENE				10 UG/L		U				10 UG/L		U			
2-CHLOROPHENOL				10 UG/L		U				10 UG/L		U			
2-METHYLNAPHTHALENE				10 UG/L		U				10 UG/L		U			
2-METHYLPHENOL				10 UG/L		U				10 UG/L		U			
2-NITROANILINE				25 UG/L		U				25 UG/L		UJ			
2-NITROPHENOL				10 UG/L		U				10 UG/L		U			
3,3'-DICHLOROBENZIDINE				10 UG/L		U				10 UG/L		U			
3-NITROANILINE				25 UG/L		U				25 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL				25 UG/L		UR				25 UG/L		UJ			
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U				10 UG/L		U			
4-CHLORO-3-METHYLPHENOL				10 UG/L		U				10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U				10 UG/L		U			
4-METHYLPHENOL				10 UG/L		U				10 UG/L		U			
4-NITROANILINE				25 UG/L		UR				25 UG/L		UJ			
4-NITROPHENOL				25 UG/L		U				25 UG/L		U			
ACENAPHTHENE				10 UG/L		U				10 UG/L		U			

SAMPLE NUMBER:	114782			114617			114784			114784			114784		
LAB:	IT			IT			IT			IT/RSL			ITAS		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ACENAPHTHYLENE				10 UG/L		U				10 UG/L		U			
ANTHRACENE				10 UG/L		U				10 UG/L		U			
BENZO(A)ANTHRACENE				10 UG/L		U				10 UG/L		U			
BENZO(A)PYRENE				10 UG/L		U				10 UG/L		U			
BENZO(B)FLUORANTHENE				10 UG/L		U				10 UG/L		U			
BENZO(G,H,I)PERYLENE				10 UG/L		U				10 UG/L		U			
BENZO(K)FLUORANTHENE				10 UG/L		U				10 UG/L		U			
BENZOIC ACID				50 UG/L		U				50 UG/L		U			
BENZYL ALCOHOL				10 UG/L		U				10 UG/L		UR			
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U				10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U				10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		UJ				10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE				1 UG/L		J				10 UG/L		U			
BUTYL BENZYL PHTHALATE				10 UG/L		U				10 UG/L		U			
CARBAZOLE				10 UG/L		U				10 UG/L		U			
CHRYSENE				10 UG/L		U				10 UG/L		U			
DI-N-BUTYL PHTHALATE				10 UG/L		U				10 UG/L		U			
DI-N-OCTYL PHTHALATE				10 UG/L		U				10 UG/L		U			
DIBENZO(A,H)ANTHRACENE				10 UG/L		U				10 UG/L		U			
DIBENZOFURAN				10 UG/L		U				10 UG/L		U			
DIETHYL PHTHALATE				10 UG/L		U				10 UG/L		U			
DIMETHYL PHTHALATE				10 UG/L		U				10 UG/L		U			
FLUORANTHENE				10 UG/L		U				10 UG/L		U			
FLUORENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROBENZENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROBUTADIENE				10 UG/L		U				10 UG/L		UJ			
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROETHANE				10 UG/L		U				10 UG/L		U			
INDENO(1,2,3-CD)PYRENE				10 UG/L		U				10 UG/L		U			
ISOPHORONE				10 UG/L		U				10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U				10 UG/L		UJ			
N-NITROSODIMETHYLAMINE										10 UG/L		UJ			
N-NITROSODIPHENYLAMINE				10 UG/L		U				10 UG/L		U			
NAPHTHALENE				10 UG/L		U				10 UG/L		U			
NITROBENZENE				10 UG/L		U				10 UG/L		U			
P-CHLOROANILINE				10 UG/L		U				10 UG/L		U			
PENTACHLOROPHENOL				25 UG/L		U				25 UG/L		UJ			
PHENANTHRENE				10 UG/L		U				10 UG/L		U			
PHENOL				10 UG/L		U				10 UG/L		U	.01 MG/L		U
PYRENE				10 UG/L		U				10 UG/L		U			
TRIBUTYL PHOSPHATE										10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			

SAMPLE NUMBER:	114782			114617			114784			114784			114784		
LAB:	IT			IT			IT			IT/RSL			ITAS		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		UJ			
2-HEXANONE										10 UG/L		UR			
4-METHYL-2-PENTANONE										10 UG/L		UR			
ACETONE										10 UG/L		R			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		UR			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		UJ			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	114785			113316			112997			112997			112997		
TASK:	20.03.05			20.03.05			20.03.05			20.03.05			20.03.05		
LAB:	IT			IT			IT			IT/MWL			ITAS		
WELL OR BORING NUMBER:	1940			1941			1941			1941			1941		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	11-JUN-93			28-MAY-93			30-APR-93			30-APR-93			30-APR-93		
NORTH COORDINATE:	480457.72			477932.76			477932.76			477932.76			477932.76		
EAST COORDINATE:	1379525.12			1379691.99			1379691.99			1379691.99			1379691.99		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													420 MG/L		-
AMMONIA													.41 MG/L		-
CHLORIDE							3.15 MG/L		-						
FLUORIDE							.51 MG/L		-						
NITRATE							.71 MG/L		R						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							10.37 MG/L		-						
SULFATE							87.5 MG/L		-						
SULFIDE							.5 MG/L		U						
TOTAL KJELDAHL NITROGEN							8.43 MG/L		-						
TOTAL ORGANIC CARBON							2.6 MG/L		-						
TOTAL ORGANIC HALIDES							.01 MG/L		U						
TOTAL ORGANIC NITROGEN							8.02 MG/L		-						
INORGANICS															
ALUMINUM	13.1 MG/L		-	86.1 MG/L		-	.0695 MG/L		-						
ANTIMONY	.0587 MG/L		U	.0057 MG/L		J	.0132 MG/L		J						
ARSENIC	.0054 MG/L		-	.0053 MG/L		J	.001 MG/L		U						
BARIUM	.212 MG/L		-	.565 MG/L		-	.0721 MG/L		J						
BERYLLIUM	.0014 MG/L		U	.0037 MG/L		-	.0017 MG/L		U						
CADMIUM	.0031 MG/L		U	.005 MG/L		UJ	.002 MG/L		U						
CALCIUM	283 MG/L		-	610 MG/L		-	102 MG/L		-						
CHROMIUM	.012 MG/L		-	.0898 MG/L		J	.004 MG/L		U						
COBALT	.0163 MG/L		U	.0334 MG/L		-	.003 MG/L		U						
COPPER	.328 MG/L		-	.12 MG/L		-	.004 MG/L		U						
CYANIDE							.0016 MG/L		-						
IRON	26.4 MG/L		-	131 MG/L		-	.0246 MG/L		U						
LEAD	.017 MG/L		-	.0336 MG/L		-	.001 MG/L		U						
MAGNESIUM	104 MG/L		-	250 MG/L		-	60.7 MG/L		-						
MANGANESE	.815 MG/L		-	2.24 MG/L		-	.0115 MG/L		-						
MERCURY	.0001 MG/L		UJ	.0002 MG/L		U	.0002 MG/L		U						

SAMPLE NUMBER:	114785			113316			112997			112997			112997		
LAB:	IT			IT			IT			IT/MWL			ITAS		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.0123 MG/L		-	.0435 MG/L		-	.0032 MG/L		U						
NICKEL	.0275 MG/L		-	.136 MG/L		J	.003 MG/L		U						
POTASSIUM	3.78 MG/L		-	16 MG/L		-	.718 MG/L		-						
SELENIUM	.001 MG/L		UJ	.0037 MG/L		J	.0036 MG/L		-						
SILICON	26.4 MG/L		-	102 MG/L		J	8.03 MG/L		-						
SILVER	.0035 MG/L		U	.0351 MG/L		-	.002 MG/L		U						
SODIUM	60.5 MG/L		-	8.85 MG/L		-	10 MG/L		-						
THALLIUM	.001 MG/L		U	.002 MG/L		UJ	.001 MG/L		U						
VANADIUM	.0287 MG/L		-	.205 MG/L		-	.0074 MG/L		U						
ZINC	.105 MG/L		-	.33 MG/L		J	.0152 MG/L		U						
PESTICIDES															
4,4'-DDD							.1 UG/L		U						
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						
ALDRIN							.05 UG/L		U						
ALPHA-BHC							.05 UG/L		UJ						
ALPHA-CHLORDANE							.05 UG/L		U						
AROCLOR-1016							1 UG/L		UJ						
AROCLOR-1221							2 UG/L		UJ						
AROCLOR-1232							1 UG/L		UJ						
AROCLOR-1242							1 UG/L		UJ						
AROCLOR-1248							1 UG/L		UJ						
AROCLOR-1254							1 UG/L		UJ						
AROCLOR-1260							1 UG/L		UJ						
BETA-BHC							.05 UG/L		U						
DELTA-BHC							.05 UG/L		UJ						
DIELDRIN							.1 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.1 UG/L		U						
ENDRIN ALDEHYDE							.1 UG/L		U						
ENDRIN KETONE							.1 UG/L		U						
GAMMA-BHC (LINDANE)							.05 UG/L		UJ						
GAMMA-CHLORDANE							.05 UG/L		U						
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							5 UG/L		UJ						
RADIONUCLIDES															
URANIUM-238	3.67 PCI/L	.896	-	176 PCI/L	37.4	-	220 PCI/L	49.8	-						
URANIUM, TOTAL	7.62 UG/L	1.1	-	388 UG/L	54	-	547 UG/L	79	-						
URANIUM-234	3.34 PCI/L	.827	-	166 PCI/L	35.3	-	216 PCI/L	48.8	-						

SAMPLE NUMBER:	114785			113316			112997			112997			112997		
LAB:	IT			IT			IT			IT/MWL			ITAS		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230	1.29 PCI/L	.451	-	6.8 PCI/L	1.83	-	.22 PCI/L	.16	J						
RADIUM-226	1.21 PCI/L	.441	J	1.05 PCI/L	.29	J	1 PCI/L		R						
URANIUM-235/236	.212 PCI/L	.135	J	8.48 PCI/L	2.03	-	10.7 PCI/L	2.87	-						
THORIUM-232	.756 PCI/L	3.16	R	3.75 PCI/L	1.13	-	.2 PCI/L		UJ						
THORIUM, TOTAL	6.89 UG/L	2.88	-	34.2 UG/L	10.3	-	.5 UG/L	.54	UJ						
RADIUM-228	3.68 PCI/L	1.89	J	3 PCI/L		UJ	3 PCI/L		R						
THORIUM-228	1.36 PCI/L	.475	-	3.87 PCI/L	1.16	-	.2 PCI/L		UJ						
NEPTUNIUM-237	.5 PCI/L	.157	U	.263 PCI/L		R	.5 PCI/L	.18	U						
PLUTONIUM-239/240	.5 PCI/L		UJ	.5 PCI/L		UJ	.5 PCI/L		UJ						
PLUTONIUM-238	.5 PCI/L		UJ	.5 PCI/L	.259	U	.5 PCI/L	.077	U						
STRONTIUM-90	1 PCI/L		UJ	1 PCI/L		UJ	1 PCI/L	.478	UJ						
TECHNETIUM-99	15 PCI/L		UJ	15 PCI/L		UJ	15 PCI/L		UJ						
RUTHENIUM-106	150 PCI/L		UJ	150 PCI/L		UJ	158 PCI/L		UJ						
CESIUM-137	11.8 PCI/L		UJ	16.3 PCI/L		UJ	18.4 PCI/L		UJ						
GROSS ALPHA	30.3 PCI/L		UJ	609 PCI/L	139	J	314 PCI/L	43.4	J						
GROSS BETA	20.9 PCI/L	10.8	J	314 PCI/L	58.4	-	123 PCI/L	15.5	J						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		U			
1,2-DICHLOROBENZENE										10 UG/L		U			
1,3-DICHLOROBENZENE										10 UG/L		U			
1,4-DICHLOROBENZENE										10 UG/L		U			
2,4,5-TRICHLOROPHENOL										25 UG/L		U			
2,4,6-TRICHLOROPHENOL										10 UG/L		U			
2,4-DICHLOROPHENOL										10 UG/L		U			
2,4-DIMETHYLPHENOL										10 UG/L		U			
2,4-DINITROPHENOL										25 UG/L		UR			
2,4-DINITROTOLUENE										10 UG/L		U			
2,6-DINITROTOLUENE										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		U			
2-CHLOROPHENOL										10 UG/L		U			
2-METHYLNAPHTHALENE										10 UG/L		U			
2-METHYLPHENOL										10 UG/L		U			
2-NITROANILINE										25 UG/L		U			
2-NITROPHENOL										10 UG/L		U			
3,3'-DICHLOROBENZIDINE										10 UG/L		U			
3-NITROANILINE										25 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL										25 UG/L		UR			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLORO-3-METHYLPHENOL										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			
4-NITROANILINE										25 UG/L		U			
4-NITROPHENOL										25 UG/L		UR			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		U			

SAMPLE NUMBER:	114785			113316			112997			112997			112997		
LAB:	IT			IT			IT			IT/MWL			ITAS		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		U			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			
BENZOIC ACID										50 UG/L		UR			
BENZYL ALCOHOL										10 UG/L		UJ			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE										10 UG/L		UJ			
BUTYL BENZYL PHTHALATE										10 UG/L		UJ			
CARBAZOLE										10 UG/L		U			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										10 UG/L		U			
DI-N-OCTYL PHTHALATE										10 UG/L		UR			
DIBENZO(A,H)ANTHRACENE										10 UG/L		UJ			
DIBENZOFURAN										10 UG/L		U			
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		U			
HEXACHLOROBENZENE										10 UG/L		UJ			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		UJ			
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		UJ			
ISOPHORONE										10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		U			
PENTACHLOROPHENOL										25 UG/L		UJ			
PHENANTHRENE										10 UG/L		U			
PHENOL							.01 MG/L		U	10 UG/L		U			
PYRENE										10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			

SAMPLE NUMBER:	114785			113316			112997			112997			112997		
LAB:	IT			IT			IT			IT/MWL			ITAS		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		UJ			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		UJ			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		UJ			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										12 UG/L		UJ			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL ACETATE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	113000	113000	113000	113319	120487
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT/MWL	ITAS	IT	IT
WELL OR BORING NUMBER:	1942	1942	1942	1942	1947
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-MAY-93	01-MAY-93	01-MAY-93	28-MAY-93	28-JUL-93
NORTH COORDINATE:	477662.53	477662.53	477662.53	477662.53	482108
EAST COORDINATE:	1379627.53	1379627.53	1379627.53	1379627.53	1379906.05
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							390 MG/L		-						
AMMONIA							.56 MG/L		-						
CHLORIDE	4.61 MG/L		-												
FLUORIDE	.3 MG/L		-												
NITRATE	.1 MG/L		UR												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	8.06 MG/L		-												
SULFATE	162.7 MG/L		-												
SULFIDE	.5 MG/L		U												
TOTAL KJELDAHL NITROGEN	3.24 MG/L		-												
TOTAL ORGANIC CARBON	3.38 MG/L		-												
TOTAL ORGANIC HALIDES	.0118 MG/L		-												
TOTAL ORGANIC NITROGEN	2.68 MG/L		-												
INORGANICS															
ALUMINUM	.0841 MG/L		-							53 MG/L		-	.312 MG/L		-
ANTIMONY	.0063 MG/L		UJ							.005 MG/L		UJ	.005 MG/L		U
ARSENIC	.001 MG/L		U							.0058 MG/L		J	.002 MG/L		UJ
BARIUM	.0901 MG/L		J							.368 MG/L		-	.115 MG/L		-
BERYLLIUM	.0024 MG/L		U							.002 MG/L		U	.002 MG/L		U
CADMIUM	.002 MG/L		U							.005 MG/L		UJ	.005 MG/L		U
CALCIUM	143 MG/L		-							390 MG/L		-	154 MG/L		-
CHROMIUM	.004 MG/L		U							.0557 MG/L		J	.01 MG/L		U
COBALT	.003 MG/L		U							.0258 MG/L		-	.01 MG/L		U
COPPER	.002 MG/L		U							.0757 MG/L		-	.01 MG/L		U
CYANIDE	.0024 MG/L		-												
IRON	.0194 MG/L		U							82.4 MG/L		-	.11 MG/L		-
LEAD	.001 MG/L		U							.0403 MG/L		-	.002 MG/L		U
MAGNESIUM	60.9 MG/L		-							145 MG/L		-	60.8 MG/L		-
MANGANESE	.943 MG/L		-							2.31 MG/L		-	.289 MG/L		-
MERCURY	.0002 MG/L		U							.0002 MG/L		U	.0002 MG/L		U

SAMPLE NUMBER:	113000			113000			113000			113319			120487		
LAB:	IT			IT/MWL			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.011 MG/L		U							.0309 MG/L		-	.02 MG/L		U
NICKEL	.0677 MG/L		-							.116 MG/L		J	.02 MG/L		U
POTASSIUM	.925 MG/L		-							11.6 MG/L		-	1.81 MG/L		-
SELENIUM	.001 MG/L		U							.002 MG/L		UJ	.002 MG/L		U
SILICON	6.58 MG/L		-							74.6 MG/L		J	9.18 MG/L		-
SILVER	.002 MG/L		U							.0217 MG/L		-	.01 MG/L		U
SODIUM	11.7 MG/L		-							12.9 MG/L		-	13.2 MG/L		-
THALLIUM	.001 MG/L		U							.002 MG/L		UJ	.002 MG/L		U
VANADIUM	.0101 MG/L		U							.12 MG/L		-	.01 MG/L		U
ZINC	.012 MG/L		U							.221 MG/L		J	.005 MG/L		U
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		UJ												
ALPHA-CHLORDANE	.05 UG/L		U												
AROCLOR-1016	1 UG/L		UJ												
AROCLOR-1221	2 UG/L		UJ												
AROCLOR-1232	1 UG/L		UJ												
AROCLOR-1242	1 UG/L		UJ												
AROCLOR-1248	1 UG/L		UJ												
AROCLOR-1254	1 UG/L		UJ												
AROCLOR-1260	1 UG/L		UJ												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		UJ												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U	.1 UG/L		U									
ENDRIN ALDEHYDE				.1 UG/L		U									
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		UJ												
GAMMA-CHLORDANE	.05 UG/L		U												
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	5 UG/L		UJ												
RADIONUCLIDES															
URANIUM-238	125 PCI/L	27.3	-							229 PCI/L	52	-			
URANIUM, TOTAL	340 UG/L	49	-							573 UG/L	79	-			
URANIUM-234	123 PCI/L	26.8	-							223 PCI/L	51	-			

SAMPLE NUMBER:	113000			113000			113000			113319			120487		
LAB:	IT			IT/MWL			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230	.265 PCI/L	.17	J							3.9 PCI/L	1.1	-			
RADIUM-226	1 PCI/L		UJ							1.38 PCI/L	.34	R			
URANIUM-235/236	6.23 PCI/L	1.65	-							15.7 PCI/L	4	-			
THORIUM-232	.2 PCI/L		UJ							1.77 PCI/L	.61	-			
THORIUM, TOTAL	.569 UG/L		UJ							16.2 UG/L	55.3	J			
RADIUM-228	3 PCI/L		UJ							3 PCI/L		UJ			
THORIUM-228	.2 PCI/L		UJ							2.21 PCI/L	.71	-			
NEPTUNIUM-237	.5 PCI/L	.205	UJ							.0999 PCI/L		R			
PLUTONIUM-239/240	.5 PCI/L	.09	U							.5 PCI/L		UJ			
PLUTONIUM-238	.56 PCI/L	.255	J							.5 PCI/L		UJ			
STRONTIUM-90	3.05 PCI/L	.668	J							1 PCI/L		UJ			
TECHNETIUM-99	15 PCI/L		UJ							15 PCI/L		UJ			
RUTHENIUM-106	150 PCI/L		UJ							150 PCI/L		UJ			
CESIUM-137	12.9 PCI/L		UJ							14.8 PCI/L		UJ			
GROSS ALPHA	220 PCI/L	2.68	J							1080 PCI/L	250	J			
GROSS BETA	66.9 PCI/L	10.5	J							638 PCI/L	115	-			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				25 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		U									
2,4-DINITROPHENOL				25 UG/L		UR									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				25 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				10 UG/L		U									
3-NITROANILINE				25 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				25 UG/L		UR									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				25 UG/L		U									
4-NITROPHENOL				25 UG/L		UR									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									

SAMPLE NUMBER:	113000			113000			113000			113319			120487		
LAB:	IT			IT/MWL			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		U									
BENZO(K)FLUORANTHENE				10 UG/L		U									
BENZOIC ACID				50 UG/L		UR									
BENZYL ALCOHOL				10 UG/L		UJ									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		UJ									
BUTYL BENZYL PHTHALATE				10 UG/L		UJ									
CARBAZOLE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		UR									
DIBENZO(A,H)ANTHRACENE				10 UG/L		UJ									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		UJ									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		UJ									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		UJ									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				25 UG/L		UJ									
PHENANTHRENE				10 UG/L		U									
PHENOL	.01 MG/L		U	10 UG/L		U									
PYRENE				10 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									

SAMPLE NUMBER:	113000			113000			113000			113319			120487		
LAB:	IT			IT/MWL			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		UJ									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		UJ									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		UJ									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120487	115480	115480	115480	115481
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT	IT/MWL	IT/RSL	IT
WELL OR BORING NUMBER:	1947	1950	1950	1950	1950
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JUL-93	08-JUN-93	08-JUN-93	08-JUN-93	08-JUN-93
NORTH COORDINATE:	482108	482202.1	482202.1	482202.1	482202.1
EAST COORDINATE:	1379906.05	1379549.67	1379549.67	1379549.67	1379549.67
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	510 MG/L		-							445 MG/L		-			
AMMONIA	.14 MG/L		-							.12 MG/L		-			
CHLORIDE	4.45 MG/L		-							9.92 MG/L		-			
FLUORIDE	.3 MG/L		-							1.25 MG/L		-			
NITRATE	.13 MG/L		J							.8 MG/L		J			
PHENOLS	.01 MG/L		U							.01 MG/L		U			
PHOSPHORUS	1.63 MG/L		-							.21 MG/L		-			
SULFATE	117.96 MG/L		-							190.7 MG/L		-			
SULFIDE	.5 MG/L		U							7.87 MG/L		-			
TOTAL KJELDAHL NITROGEN	.73 MG/L		-							.38 MG/L		-			
TOTAL ORGANIC CARBON	3.13 MG/L		-							2.24 MG/L		-			
TOTAL ORGANIC HALIDES	.0298 MG/L		-							.0148 MG/L		-			
TOTAL ORGANIC NITROGEN	.14 MG/L		-							.26 MG/L		-			
INORGANICS															
ALUMINUM	44.6 MG/L		-	.0302 MG/L		U							4.32 MG/L		-
ANTIMONY	.005 MG/L		U	.0587 MG/L		U							.0587 MG/L		U
ARSENIC	.0043 MG/L		UJ	.0011 MG/L		-							.002 MG/L		-
BARIUM	.361 MG/L		-	.0544 MG/L		-							.0883 MG/L		-
BERYLLIUM	.002 MG/L		U	.00086 MG/L		U							.00086 MG/L		U
CADMIUM	.005 MG/L		U	.0032 MG/L		-							.0033 MG/L		-
CALCIUM	394 MG/L		-	102 MG/L		-							122 MG/L		-
CHROMIUM	.0601 MG/L		-	.0046 MG/L		U							.0046 MG/L		U
COBALT	.0161 MG/L		-	.0042 MG/L		U							.0085 MG/L		-
COPPER	.0633 MG/L		-	.008 MG/L		U							.0129 MG/L		U
CYANIDE	.002 MG/L		U	.002 MG/L		U									
IRON	65.9 MG/L		-	.104 MG/L		U							8.92 MG/L		-
LEAD	.0231 MG/L		-	.001 MG/L		U							.0042 MG/L		U
MAGNESIUM	138 MG/L		-	80.7 MG/L		-							88.8 MG/L		-
MANGANESE	1.48 MG/L		-	.203 MG/L		-							.286 MG/L		-
MERCURY	.0002 MG/L		U	.0001 MG/L		U							.0001 MG/L		U

SAMPLE NUMBER:	120487			115480			115480			115480			115481		
LAB:	IT			IT			IT/MWL			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.02 MG/L		U	.0141 MG/L		-							.0196 MG/L		-
NICKEL	.0873 MG/L		-	.0209 MG/L		U							.0209 MG/L		U
POTASSIUM	12.6 MG/L		-	3.95 MG/L		-							3.56 MG/L		-
SELENIUM	.002 MG/L		U	.0012 MG/L		UJ							.001 MG/L		UJ
SILICON	73.6 MG/L		-	7.67 MG/L		-							15.5 MG/L		-
SILVER	.0145 MG/L		-	.0035 MG/L		U							.0035 MG/L		U
SODIUM	13.7 MG/L		-	17.3 MG/L		-							16.2 MG/L		-
THALLIUM	.002 MG/L		U	.001 MG/L		U							.001 MG/L		U
VANADIUM	.0996 MG/L		-	.0024 MG/L		U							.0092 MG/L		U
ZINC	.181 MG/L		-	.0055 MG/L		U							.0313 MG/L		-
PESTICIDES															
4,4'-DDD	.1 UG/L		U	.1 UG/L		U									
4,4'-DDE	.1 UG/L		U	.1 UG/L		U									
4,4'-DDT	.1 UG/L		U	.1 UG/L		U									
ALDRIN	.05 UG/L		U	.05 UG/L		U									
ALPHA-BHC	.05 UG/L		U	.05 UG/L		U									
ALPHA-CHLORDANE	.05 UG/L		U	.05 UG/L		U									
AROCLOR-1016	1 UG/L		U	1 UG/L		U									
AROCLOR-1221	2 UG/L		U	2 UG/L		U									
AROCLOR-1232	1 UG/L		U	1 UG/L		U									
AROCLOR-1242	1 UG/L		U	1 UG/L		U									
AROCLOR-1248	1 UG/L		U	1 UG/L		U									
AROCLOR-1254	1 UG/L		U	1 UG/L		U									
AROCLOR-1260	1 UG/L		U	1 UG/L		U									
BETA-BHC	.05 UG/L		U	.05 UG/L		U									
DELTA-BHC	.05 UG/L		U	.05 UG/L		U									
DIELDRIN	.1 UG/L		U	.1 UG/L		U									
ENDOSULFAN II	.1 UG/L		U	.1 UG/L		U									
ENDOSULFAN SULFATE	.1 UG/L		U	.1 UG/L		U									
ENDOSULFAN-I	.05 UG/L		U	.05 UG/L		U									
ENDRIN	.1 UG/L		U	.1 UG/L		U									
ENDRIN ALDEHYDE	.1 UG/L		U	.1 UG/L		U									
ENDRIN KETONE	.1 UG/L		U	.1 UG/L		U									
GAMMA-BHC (LINDANE)	.05 UG/L		U	.05 UG/L		U									
GAMMA-CHLORDANE	.05 UG/L		U	.05 UG/L		U									
HEPTACHLOR	.05 UG/L		U	.05 UG/L		U									
HEPTACHLOR EPOXIDE	.05 UG/L		U	.05 UG/L		U									
METHOXYCHLOR	.5 UG/L		U	.5 UG/L		U									
TOXAPHENE	5 UG/L		U	5 UG/L		U									
RADIONUCLIDES															
URANIUM-238				2.82 PCI/L	.711	-							4.83 PCI/L	1.15	-
URANIUM, TOTAL				7.67 UG/L	1.1	-							11 UG/L	1.58	-
URANIUM-234				3.5 PCI/L	.852	-							5.06 PCI/L	1.2	-

SAMPLE NUMBER:	120487			115480			115480			115480			115481		
LAB:	IT			IT			IT/MWL			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230				.221 PCI/L		UJ							1.03 PCI/L	.352	-
RADIUM-226				1 PCI/L		UJ							1 PCI/L	.256	UJ
URANIUM-235/236				.208 PCI/L	.128	-							.2 PCI/L		UJ
THORIUM-232				.2 PCI/L		UJ							.654 PCI/L	.26	J
THORIUM, TOTAL				1.33 UG/L		UJ							5.96 UG/L	2.37	-
RADIUM-228				3 PCI/L		UJ							3 PCI/L		UJ
THORIUM-228				.221 PCI/L		UJ							.566 PCI/L	.244	J
NEPTUNIUM-237				.961 PCI/L	.342	U							1.94 PCI/L	.583	N
PLUTONIUM-239/240				.5 PCI/L	.142	U							.5 PCI/L	.21	U
PLUTONIUM-238				.5 PCI/L		UJ							.5 PCI/L	.113	UJ
STRONTIUM-90				1 PCI/L		UJ							1 PCI/L		UJ
TECHNETIUM-99				15 PCI/L		UJ							15 PCI/L		UJ
RUTHENIUM-106				150 PCI/L		UJ							150 PCI/L		UJ
CESIUM-137				10.6 PCI/L		UJ							15.2 PCI/L		UJ
GROSS ALPHA				13.1 PCI/L		UJ							53.9 PCI/L		UJ
GROSS BETA				7.54 PCI/L		UJ							64 PCI/L	23.3	J
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U				10 UG/L		U						
1,2-DICHLOROBENZENE	10 UG/L		U				10 UG/L		U						
1,3-DICHLOROBENZENE	10 UG/L		U				10 UG/L		U						
1,4-DICHLOROBENZENE	10 UG/L		U				10 UG/L		U						
2,4,5-TRICHLOROPHENOL	25 UG/L		U				25 UG/L		U						
2,4,6-TRICHLOROPHENOL	10 UG/L		U				10 UG/L		U						
2,4-DICHLOROPHENOL	10 UG/L		U				10 UG/L		U						
2,4-DIMETHYLPHENOL	10 UG/L		U				10 UG/L		U						
2,4-DINITROPHENOL	25 UG/L		UJ				25 UG/L		UR						
2,4-DINITROTOLUENE	10 UG/L		U				10 UG/L		U						
2,6-DINITROTOLUENE	10 UG/L		U				10 UG/L		U						
2-BENZYL-4-CHLOROPHENOL							10 UG/L		UJ						
2-CHLORONAPHTHALENE	10 UG/L		U				10 UG/L		U						
2-CHLOROPHENOL	10 UG/L		U				10 UG/L		U						
2-METHYLNAPHTHALENE	10 UG/L		U				10 UG/L		U						
2-METHYLPHENOL	10 UG/L		U				10 UG/L		U						
2-NITROANILINE	25 UG/L		U				25 UG/L		U						
2-NITROPHENOL	10 UG/L		U				10 UG/L		U						
3,3'-DICHLOROBENZIDINE	10 UG/L		U				10 UG/L		U						
3-NITROANILINE	25 UG/L		U				25 UG/L		U						
4,6-DINITRO-2-METHYLPHENOL	25 UG/L		U				25 UG/L		UJ						
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U				10 UG/L		U						
4-CHLORO-3-METHYLPHENOL	10 UG/L		U				10 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U				10 UG/L		U						
4-METHYLPHENOL	10 UG/L		U				10 UG/L		U						
4-NITROANILINE	25 UG/L		U				25 UG/L		U						
4-NITROPHENOL	25 UG/L		U				25 UG/L		UJ						
ACENAPHTHENE	10 UG/L		U				10 UG/L		U						

SAMPLE NUMBER:	120487			115480			115480			115480			115481		
LAB:	IT			IT			IT/MWL			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ACENAPHTHYLENE	10 UG/L		U				10 UG/L		U						
ANTHRACENE	10 UG/L		U				10 UG/L		U						
BENZO(A)ANTHRACENE	10 UG/L		U				10 UG/L		U						
BENZO(A)PYRENE	10 UG/L		U				10 UG/L		U						
BENZO(B)FLUORANTHENE	10 UG/L		U				10 UG/L		U						
BENZO(G,H,I)PERYLENE	10 UG/L		U				10 UG/L		U						
BENZO(K)FLUORANTHENE	10 UG/L		U				10 UG/L		U						
BENZOIC ACID	50 UG/L		U				50 UG/L		UJ						
BENZYL ALCOHOL	10 UG/L		U				10 UG/L		UJ						
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U				10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U				10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U				10 UG/L		U						
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U				10 UG/L		U						
BUTYL BENZYL PHTHALATE	10 UG/L		U				10 UG/L		U						
CARBAZOLE	10 UG/L		U				10 UG/L		U						
CHRYSENE	10 UG/L		U				10 UG/L		U						
DI-N-BUTYL PHTHALATE	10 UG/L		U				10 UG/L		U						
DI-N-OCTYL PHTHALATE	10 UG/L		U				10 UG/L		U						
DIBENZO(A,H)ANTHRACENE	10 UG/L		U				10 UG/L		U						
DIBENZOFURAN	10 UG/L		U				10 UG/L		U						
DIETHYL PHTHALATE	10 UG/L		U				10 UG/L		U						
DIMETHYL PHTHALATE	10 UG/L		U				10 UG/L		U						
FLUORANTHENE	10 UG/L		U				10 UG/L		U						
FLUORENE	10 UG/L		U				10 UG/L		U						
HEXACHLOROBENZENE	10 UG/L		U				10 UG/L		U						
HEXACHLOROBUTADIENE	10 UG/L		U				10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U				10 UG/L		U						
HEXACHLOROETHANE	10 UG/L		U				10 UG/L		U						
INDENO(1,2,3-CD)PYRENE	10 UG/L		U				10 UG/L		U						
ISOPHORONE	10 UG/L		U				10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U				10 UG/L		U						
N-NITROSODIMETHYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE	10 UG/L		U				10 UG/L		U						
NAPHTHALENE	10 UG/L		U				10 UG/L		U						
NITROBENZENE	10 UG/L		U				10 UG/L		U						
P-CHLOROANILINE	10 UG/L		U				10 UG/L		U						
PENTACHLOROPHENOL	25 UG/L		U				25 UG/L		UJ						
PHENANTHRENE	10 UG/L		U				10 UG/L		U						
PHENOL	10 UG/L		U				10 UG/L		U	.01 MG/L		U			
PYRENE	10 UG/L		U				10 UG/L		U						
TRIBUTYL PHOSPHATE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U	10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U	10 UG/L		U									

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SAMPLE NUMBER:	120487			115480			115480			115480			115481		
LAB:	IT			IT			IT/MWL			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2-TRICHLOROETHANE	10 UG/L		U	10 UG/L		U									
1,1-DICHLOROETHANE	10 UG/L		U	10 UG/L		U									
1,1-DICHLOROETHENE	10 UG/L		U	10 UG/L		U									
1,2-DICHLOROETHANE	10 UG/L		U	10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U	10 UG/L		U									
1,2-DICHLOROPROPANE	10 UG/L		U	10 UG/L		U									
2-BUTANONE	10 UG/L		UJ	10 UG/L		U									
2-HEXANONE	10 UG/L		UJ	10 UG/L		UJ									
4-METHYL-2-PENTANONE	10 UG/L		UJ	10 UG/L		U									
ACETONE	10 UG/L		UJ	10 UG/L		UJ									
BENZENE	10 UG/L		U	10 UG/L		U									
BROMODICHLOROMETHANE	10 UG/L		U	10 UG/L		U									
BROMOFORM	10 UG/L		U	10 UG/L		U									
BROMOMETHANE	10 UG/L		UJ	10 UG/L		UJ									
CARBON DISULFIDE	10 UG/L		U	10 UG/L		U									
CARBON TETRACHLORIDE	10 UG/L		U	10 UG/L		U									
CHLOROBENZENE	10 UG/L		U	10 UG/L		U									
CHLOROETHANE	10 UG/L		U	10 UG/L		UJ									
CHLOROFORM	10 UG/L		U	10 UG/L		U									
CHLOROMETHANE	10 UG/L		UR	10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE	10 UG/L		U	10 UG/L		U									
DIBROMOCHLOROMETHANE	10 UG/L		U	10 UG/L		U									
ETHYLBENZENE	10 UG/L		U	10 UG/L		U									
METHYLENE CHLORIDE	10 UG/L		U	10 UG/L		U									
STYRENE	10 UG/L		U	10 UG/L		U									
TETRACHLOROETHENE	10 UG/L		U	10 UG/L		U									
TOLUENE	10 UG/L		U	10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U	10 UG/L		U									
TRICHLOROETHENE	10 UG/L		U	10 UG/L		U									
VINYL ACETATE	10 UG/L		UJ	10 UG/L		U									
VINYL CHLORIDE	10 UG/L		UJ	10 UG/L		U									
XYLENES, TOTAL	10 UG/L		U	10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	115468	115468	115468	115471	113798
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT/RSL	ITAS	IT	IT
WELL OR BORING NUMBER:	1952	1952	1952	1952	1954
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-MAY-93	15-MAY-93	15-MAY-93	15-MAY-93	22-JUN-93
NORTH COORDINATE:	482057.73	482057.73	482057.73	482057.73	477864.72
EAST COORDINATE:	1379766.45	1379766.45	1379766.45	1379766.45	1379400.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							625 MG/L		-						
AMMONIA							.1 MG/L		U						
CHLORIDE							27 MG/L		-						
FLUORIDE							.19 MG/L		-						
NITRATE							.1 MG/L		UR						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.91 MG/L		-						
SULFATE							99.8 MG/L		-						
SULFIDE							.5 MG/L		U						
TOTAL KJELDAHL NITROGEN							.67 MG/L		-						
TOTAL ORGANIC CARBON							2.8 MG/L		-						
TOTAL ORGANIC HALIDES							.094 MG/L		J						
TOTAL ORGANIC NITROGEN							.67 MG/L		-						
INORGANICS															
ALUMINUM	.216 MG/L		-							53.2 MG/L		-	.229 MG/L		U
ANTIMONY	.005 MG/L		U							.005 MG/L		U	.012 MG/L		-
ARSENIC	.002 MG/L		UJ							.0044 MG/L		-	.002 MG/L		U
BARIUM	.124 MG/L		-							.466 MG/L		-	.0536 MG/L		-
BERYLLIUM	.002 MG/L		U							.0022 MG/L		-	.002 MG/L		U
CADMIUM	.005 MG/L		U							.005 MG/L		U	.005 MG/L		U
CALCIUM	201 MG/L		-							398 MG/L		-	161 MG/L		-
CHROMIUM	.01 MG/L		U							.0583 MG/L		-	.01 MG/L		U
COBALT	.01 MG/L		U							.0256 MG/L		-	.01 MG/L		U
COPPER	.01 MG/L		U							.0705 MG/L		-	.01 MG/L		U
CYANIDE	.002 MG/L		U												
IRON	.02 MG/L		U							75 MG/L		-	.02 MG/L		U
LEAD	.002 MG/L		U							.0314 MG/L		-	.002 MG/L		U
MAGNESIUM	62.7 MG/L		-							130 MG/L		-	72.7 MG/L		-
MANGANESE	.529 MG/L		-							1.9 MG/L		-	1.5 MG/L		-
MERCURY	.0002 MG/L		U							.0002 MG/L		U	.0002 MG/L		U

000360

SAMPLE NUMBER:	115468			115468			115468			115471			113798		
LAB:	IT			IT/RSL			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.01 MG/L		U							.026 MG/L		-	.01 MG/L		U
NICKEL	.0648 MG/L		-							.118 MG/L		-	.02 MG/L		U
POTASSIUM	1.55 MG/L		-							15.4 MG/L		-	2.04 MG/L		-
SELENIUM	.002 MG/L		U							.002 MG/L		UJ	.002 MG/L		UJ
SILICON	7.93 MG/L		-							72.1 MG/L		-	7.89 MG/L		-
SILVER	.01 MG/L		U							.0201 MG/L		-	.01 MG/L		U
SODIUM	12 MG/L		-							12.2 MG/L		-	11.6 MG/L		-
THALLIUM	.002 MG/L		U							.002 MG/L		U	.002 MG/L		U
VANADIUM	.01 MG/L		U							.118 MG/L		-	.01 MG/L		U
ZINC	.0194 MG/L		-							.212 MG/L		-	.0075 MG/L		-
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.05 UG/L		U									
AROCLOR-1016				1 UG/L		U									
AROCLOR-1221				2 UG/L		U									
AROCLOR-1232				1 UG/L		U									
AROCLOR-1242				1 UG/L		U									
AROCLOR-1248				1 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN ALDEHYDE				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.05 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				5 UG/L		U									
RADIONUCLIDES															
URANIUM-238	6.77 PCI/L	1.89	-							15.2 PCI/L	3.8	-			
URANIUM, TOTAL	15.8 UG/L	2.3	-							55.8 UG/L	8.7	-			
URANIUM-234	4.87 PCI/L	1.46	-							12 PCI/L	3	-			

SAMPLE NUMBER:	115468			115468			115468			115471			113798		
LAB:	IT			IT/RSL			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230	.335 PCI/L	.234	J							13.8 PCI/L	3.1	-			
RADIUM-226	1 PCI/L	.135	UJ							5.11 PCI/L	.8	-			
URANIUM-235/236	.412 PCI/L	.343	J							.432 PCI/L	.339	J			
THORIUM-232	.2 PCI/L		UJ							11.5 PCI/L	2.6	-			
THORIUM, TOTAL	.865 UG/L	.64	UJ							104 UG/L	24	-			
RADIUM-228	3 PCI/L	.66	U							3.72 PCI/L	1.74	J			
THORIUM-228	.323 PCI/L		UJ							14 PCI/L	3.2	-			
NEPTUNIUM-237	.179 PCI/L		R							.5 PCI/L	.166	U			
PLUTONIUM-239/240	.5 PCI/L		UJ							.5 PCI/L		UJ			
PLUTONIUM-238	.5 PCI/L		UJ							.5 PCI/L	.132	UJ			
STRONTIUM-90	1 PCI/L	.44	UJ							1.35 PCI/L	.48	J			
TECHNETIUM-99	15 PCI/L		UJ							15 PCI/L		UJ			
RUTHENIUM-106	150 PCI/L		UJ							150 PCI/L		UJ			
CESIUM-137	13 PCI/L		UJ							18 PCI/L		UJ			
GROSS ALPHA	25.6 PCI/L	14.6	J							92.1 PCI/L		UJ			
GROSS BETA	13.3 PCI/L	8.6	J							178 PCI/L	48	J			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				25 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		U									
2,4-DINITROPHENOL				25 UG/L		UJ									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-BENZYL-4-CHLOROPHENOL				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				25 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				10 UG/L		U									
3-NITROANILINE				25 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				25 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				25 UG/L		U									
4-NITROPHENOL				25 UG/L		U									
ACENAPHTHENE				10 UG/L		U									

SAMPLE NUMBER:	115468			115468			115468			115471			113798		
LAB:	IT			IT/RSL			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		U									
BENZO(K)FLUORANTHENE				10 UG/L		U									
BENZOIC ACID				50 UG/L		UJ									
BENZYL ALCOHOL				10 UG/L		UR									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CARBAZOLE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		U									
DIBENZO(A,H)ANTHRACENE				10 UG/L		U									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		U									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		U									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIMETHYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				25 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		U	.01 MG/L		U						
PYRENE				10 UG/L		U									
TRIBUTYL PHOSPHATE				10 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									

SAMPLE NUMBER:	115468			115468			115468			115471			113798		
LAB:	IT			IT/RSL			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				16 UG/L		-									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		UJ									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		UJ									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		UJ									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				11 UG/L		UJ									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL ACETATE				10 UG/L		UJ									
VINYL CHLORIDE				10 UG/L		UJ									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	113798	113798	113798	113798
TASK:	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT/MWL	IT/RSL	ITAS
WELL OR BORING NUMBER:	1954	1954	1954	1954
DEPTH:	-	-	-	-
DATE COLLECTED:	22-JUN-93	22-JUN-93	22-JUN-93	22-JUN-93
NORTH COORDINATE:	477864.72	477864.72	477864.72	477864.72
EAST COORDINATE:	1379400.07	1379400.07	1379400.07	1379400.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:				
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										560 MG/L		-			
AMMONIA										.22 MG/L		-			
CHLORIDE										6.79 MG/L		-			
FLUORIDE										.25 MG/L		-			
NITRATE										.1 MG/L		UR			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										2.07 MG/L		-			
SULFATE										203.7 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL KJELDAHL NITROGEN										1.49 MG/L		-			
TOTAL ORGANIC CARBON										1.4 MG/L		-			
TOTAL ORGANIC HALIDES										.0206 MG/L		J			
TOTAL ORGANIC NITROGEN										1.27 MG/L		-			
INORGANICS															
ALUMINUM	49 MG/L		-												
ANTIMONY	.005 MG/L		U												
ARSENIC	.0104 MG/L		-												
BARIUM	.319 MG/L		-												
BERYLLIUM	.002 MG/L		U												
CADMIUM	.005 MG/L		U												
CALCIUM	381 MG/L		-												
CHROMIUM	.0473 MG/L		-												
COBALT	.0246 MG/L		-												
COPPER	.0622 MG/L		-												
CYANIDE	.002 MG/L		U												
IRON	70.3 MG/L		-												
LEAD	.0449 MG/L		-												
MAGNESIUM	147 MG/L		-												
MANGANESE	2.37 MG/L		-												
MERCURY	.0002 MG/L		U												

SAMPLE NUMBER:	113798			113798			113798			113798			-		
LAB:	IT			IT/MWL			IT/RSL			ITAS					
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF					
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.0315 MG/L		-												
NICKEL	.127 MG/L		-												
POTASSIUM	13.6 MG/L		-												
SELENIUM	.002 MG/L		U												
SILICON	77.2 MG/L		-												
SILVER	.018 MG/L		-												
SODIUM	10.6 MG/L		-												
THALLIUM	.002 MG/L		U												
VANADIUM	.103 MG/L		-												
ZINC	.181 MG/L		-												
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.05 UG/L		U												
AROCLOR-1016	1 UG/L		U												
AROCLOR-1221	2 UG/L		U												
AROCLOR-1232	1 UG/L		U												
AROCLOR-1242	1 UG/L		U												
AROCLOR-1248	1 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN ALDEHYDE	.1 UG/L		UJ												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.05 UG/L		U												
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	5 UG/L		U												
RADIONUCLIDES															
URANIUM-238	19.1 PCI/L	4.23	-				29.5 PCI/L	6.28	-						
URANIUM, TOTAL	38.9 UG/L	5.48	-				64.5 UG/L	9	-						
URANIUM-234	18.6 PCI/L	4.12	-				27.9 PCI/L	5.97	-						

SAMPLE NUMBER:	113798			113798			113798			113798					
LAB:	IT			IT/MWL			IT/RSL			ITAS					
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			-		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230	1.18 PCI/L	.395	-				.315 PCI/L	.024	J						
RADIUM-226	1.46 PCI/L	.389	-				1 PCI/L	.103	UJ						
URANIUM-235/236	.936 PCI/L	.363	J				1.72 PCI/L	.506	-						
THORIUM-232	.938 PCI/L	.338	J				.292 PCI/L		UJ						
THORIUM, TOTAL	8.55 UG/L	3.08	-				2.69 UG/L	.96	UJ						
RADIUM-228	3 PCI/L	.684	U				3 PCI/L		UJ						
THORIUM-228	1.1 PCI/L	.382	-				.312 PCI/L		UJ						
NEPTUNIUM-237	.5 PCI/L	.113	U				.5 PCI/L	.086	U						
PLUTONIUM-239/240	.5 PCI/L	.119	UJ				.5 PCI/L	.098	U						
PLUTONIUM-238	.5 PCI/L		UJ				.5 PCI/L		UJ						
STRONTIUM-90	1 PCI/L		UJ				1 PCI/L		UJ						
TECHNETIUM-99	15 PCI/L		UJ				15 PCI/L		UJ						
RUTHENIUM-106	150 PCI/L		UJ				150 PCI/L		UJ						
CESIUM-137	14.4 PCI/L		UJ				12.8 PCI/L		UJ						
GROSS ALPHA	38 PCI/L	21.5	J				61 PCI/L	18.3	J						
GROSS BETA	41 PCI/L	13.8	J				18.3 PCI/L	7.25	J						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				25 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		U									
2,4-DINITROPHENOL				25 UG/L		UJ									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-BENZYL-4-CHLOROPHENOL				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				25 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				10 UG/L		U									
3-NITROANILINE				25 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				25 UG/L		UJ									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				25 UG/L		U									
4-NITROPHENOL				25 UG/L		U									
ACENAPHTHENE				10 UG/L		U									

SAMPLE NUMBER:	113798			113798			113798			113798			-		
LAB:	IT			IT/MWL			IT/RSL			ITAS					
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF					
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		U									
BENZO(K)FLUORANTHENE				10 UG/L		U									
BENZOIC ACID				50 UG/L		U									
BENZYL ALCOHOL				10 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		UJ									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CARBAZOLE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		U									
DIBENZO(A,H)ANTHRACENE				10 UG/L		U									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		U									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		UJ									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		U									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIMETHYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				25 UG/L		UJ									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		U				.01 MG/L		U			
PYRENE				10 UG/L		U									
TRIBUTYL PHOSPHATE				10 UG/L		UR									
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												

SAMPLE NUMBER:	113798			113798			113798			113798					
LAB:	IT			IT/MWL			IT/RSL			ITAS					
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			-		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		U												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	15 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

GW
TYPE 2
WELLS
CORRECTED
PRINTOUT
7/26/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	RS200202-R2	EMGW_SYSGEN_354	EMGW_SYSGEN_352	EMGW_SYSGEN_352	GW930511-1
TASK:	RCRACLOS	GWMON	GWMON	GWMON	50.03.23
LAB:	ENSR	WMCO	IT	NET	CORE
WELL OR BORING NUMBER:	2002	2002	2002	2002	2002
DEPTH:	0-0	-	-	-	-
DATE COLLECTED:	01-AUG-90	03-SEP-91	05-SEP-90	05-SEP-90	11-MAY-93
NORTH COORDINATE:	474767	474718.98	474718.98	474718.98	474718.98
EAST COORDINATE:	1380663	1380615.04	1380615.04	1380615.04	1380615.04
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										245 MG/L		NV			
AMMONIA	.1 MG/L		UNV												
CHEMICAL OXYGEN DEMAND	34 MG/L		NV												
CHLORIDE	28 MG/L		NV							27 MG/L		NV			
FLUORIDE										.25 MG/L		NV			
NITRATE, AS NITROGEN										.14 MG/L		NV			
PH	10 UG/L		UNV							7.24 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS	.04 MG/L		NV												
SPECIFIC CONDUCTIVITY										682 UMHOS/CM		NV			
SULFATE	72 MG/L		NV							69 MG/L		NV			
TOTAL DISSOLVED SOLIDS	430 MG/L		NV							490 MG/L		NV			
TOTAL ORGANIC CARBON										3 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ALUMINUM	.125 MG/L		NV												
ANTIMONY	.035 MG/L		UNV												
ARSENIC	.002 MG/L		UNV												
BARIUM	.0493 MG/L		NV												
BERYLLIUM	.001 MG/L		UNV												
CADMIUM	.005 MG/L		UNV												
CALCIUM	96.2 MG/L		NV												
CHROMIUM	.006 MG/L		UNV												
COBALT	.004 MG/L		UNV												
COPPER	.008 MG/L		UNV												

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

DRAFT
Page 2

SAMPLE NUMBER:	RS200202-R2			EMGW_SYSGEN_354			EMGW_SYSGEN_352			EMGW_SYSGEN_352			GW930511-1		
LAB:	ENSR			WMCO			IT			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE	.01 MG/L		UNV												
IRON	.121 MG/L		NV												
LEAD	.002 MG/L		UNV												
MAGNESIUM	26 MG/L		NV												
MANGANESE	.078 MG/L		NV												
MERCURY	.0002 MG/L		UNV												
NICKEL	.039 MG/L		UNV												
POTASSIUM	4.14 MG/L		NV												
SELENIUM	.002 MG/L		UNV												
SILVER	.008 MG/L		UNV												
SODIUM	18.1 MG/L		NV												
THALLIUM	.002 MG/L		UNV												
VANADIUM	.004 MG/L		UNV												
ZINC	.006 MG/L		NV												
MISC															
ACROLEIN	25 UG/L		UNV												
ACROLEIN	25 UG/L		UNV												
ACROLEIN	25 UG/L		UNV												
ACROLEIN	25 UG/L		UNV												
ACRYLONITRILE	25 UG/L		UNV												
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
PESTICIDES															
4,4'-DDD	.01 UG/L		UNV												
4,4'-DDE	.01 UG/L		UNV												
4,4'-DDT	.01 UG/L		UNV												
ALDRIN	.005 UG/L		UNV												
ALPHA-BHC	.005 UG/L		UNV												
ALPHA-CHLORDANE	.05 UG/L		UNV												
AROCLOR-1016	.05 UG/L		UNV												
AROCLOR-1221	.05 UG/L		UNV												
AROCLOR-1232	.05 UG/L		UNV												
AROCLOR-1242	.05 UG/L		UNV												
AROCLOR-1248	.05 UG/L		UNV												
AROCLOR-1254	.1 UG/L		UNV												
AROCLOR-1260	.1 UG/L		UNV												
BETA-BHC	.005 UG/L		UNV												
DELTA-BHC	.005 UG/L		UNV												
DIELDRIN	.01 UG/L		UNV												

SAMPLE NUMBER:	RS200202-R2			EMGW_SYSGEN_354			EMGW_SYSGEN_352			EMGW_SYSGEN_352			GW930511-1		
LAB:	ENSR			WMCO			IT			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDOSULFAN II	.01 UG/L		UNV												
ENDOSULFAN SULFATE	.01 UG/L		UNV												
ENDOSULFAN-I	.005 UG/L		UNV												
ENDRIN	.01 UG/L		UNV												
ENDRIN KETONE	.01 UG/L		UNV												
GAMMA-BHC (LINDANE)	.005 UG/L		UNV												
GAMMA-CHLORDANE	.05 UG/L		UNV												
HEPTACHLOR	.005 UG/L		UNV												
HEPTACHLOR EPOXIDE	.005 UG/L		UNV												
METHOXYCHLOR	.05 UG/L		UNV												
TOXAPHENE	.1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1.25 PCI/L		NV				.6 PCI/L	.3	J
URANIUM, TOTAL				2.4 UG/L		NV	3.75 UG/L		NV				3.9 UG/L	.3	-
URANIUM-234							1.54 PCI/L		NV				.9 PCI/L	.3	J
THORIUM-230							.997 PCI/L		NV				.2 PCI/L	.1	UJ
RADIUM-226							1 PCI/L		UNV				1.5 PCI/L	.5	J
URANIUM-235/236							.2 PCI/L		UNV				.2 PCI/L	.3	UJ
THORIUM-232							.41 PCI/L		UNV				.2 PCI/L	.1	UJ
THORIUM, TOTAL							3.7 UG/L		UNV				7.296 PCI/L	.1	NV
RADIUM-228							3 PCI/L		UNV				3 PCI/L	1.2	U
THORIUM-228							.997 PCI/L		NV				.2 PCI/L	.1	UJ
GROSS ALPHA							28.4 PCI/L		NV				5.5 PCI/L	1.7	NV
GROSS BETA							20.6 PCI/L		NV				6.1 PCI/L	2.1	NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		UNV												
1,2-DICHLOROBENZENE	10 UG/L		UNV												
1,3-DICHLOROBENZENE	10 UG/L		UNV												
1,4-DICHLOROBENZENE	10 UG/L		UNV												
2,4,5-TRICHLOROPHENOL	50 UG/L		UNV												
2,4,6-TRICHLOROPHENOL	10 UG/L		UNV												
2,4-DICHLOROPHENOL	10 UG/L		UNV												
2,4-DIMETHYLPHENOL	10 UG/L		UNV												
2,4-DINITROPHENOL	50 UG/L		UNV												
2,4-DINITROTOLUENE	10 UG/L		UNV												
2,6-DINITROTOLUENE	10 UG/L		UNV												
2-CHLOROETHYLVINYL ETHER										60 UG/L		UNV			
2-CHLORONAPHTHALENE	10 UG/L		UNV												

SAMPLE NUMBER:	RS200202-R2			EMGW_SYSGEN_354			EMGW_SYSGEN_352			EMGW_SYSGEN_352			GW930511-1		
LAB:	ENSR			WMCO			IT			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLOROPHENOL	10 UG/L		UNV												
2-METHYLNAPHTHALENE	10 UG/L		UNV												
2-METHYLPHENOL	10 UG/L		UNV												
2-NITROANILINE	50 UG/L		UNV												
2-NITROPHENOL	10 UG/L		UNV												
3-NITROANILINE	50 UG/L		UNV												
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		UNV												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		UNV												
4-CHLORO-3-METHYLPHENOL	10 UG/L		UNV												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		UNV												
4-METHYLPHENOL	10 UG/L		UNV												
4-NITROANILINE	50 UG/L		UNV												
4-NITROPHENOL	50 UG/L		UNV												
ACENAPHTHENE	10 UG/L		UNV												
ACENAPHTHYLENE	10 UG/L		UNV												
ANTHRACENE	10 UG/L		UNV												
BENZO(A)ANTHRACENE	10 UG/L		UNV												
BENZO(A)PYRENE	10 UG/L		UNV												
BENZO(B)FLUORANTHENE	10 UG/L		UNV												
BENZO(G,H,I)PERYLENE	10 UG/L		UNV												
BENZO(K)FLUORANTHENE	10 UG/L		UNV												
BENZOIC ACID	50 UG/L		UNV												
BENZYL ALCOHOL	10 UG/L		UNV												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		UNV												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		UNV												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UNV												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		UNV												
BUTYL BENZYL PHTHALATE	10 UG/L		UNV												
CHRYSENE	10 UG/L		UNV												
DI-N-BUTYL PHTHALATE	10 UG/L		UNV												
DI-N-OCTYL PHTHALATE	10 UG/L		UNV												
DIBENZO(A,H)ANTHRACENE	10 UG/L		UNV												
DIBENZOFURAN	10 UG/L		UNV												
DIETHYL PHTHALATE	10 UG/L		UNV												
DIMETHYL PHTHALATE	10 UG/L		UNV												
FLUORANTHENE	10 UG/L		UNV												
FLUORENE	10 UG/L		UNV												
HEXACHLOROBENZENE	10 UG/L		UNV												
HEXACHLOROBUTADIENE	10 UG/L		UNV												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UNV												
HEXACHLOROETHANE	10 UG/L		UNV												

SAMPLE NUMBER:	RS200202-R2			EMGW_SYSGEN_354			EMGW_SYSGEN_352			EMGW_SYSGEN_352			GW930511-1		
LAB:	ENSR			WMCO			IT			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
INDENO(1,2,3-CD)PYRENE	10 UG/L		UNV												
ISOPHORONE	10 UG/L		UNV												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		UNV												
N-NITROSODIPHENYLAMINE	10 UG/L		UNV												
NAPHTHALENE	10 UG/L		UNV												
NITROBENZENE	10 UG/L		UNV												
P-CHLOROANILINE	10 UG/L		UNV												
PENTACHLOROPHENOL	50 UG/L		UNV												
PHENANTHRENE	10 UG/L		UNV												
PHENOL	10 UG/L		UNV							.005 MG/L		UNV			
PYRENE	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	2 UG/L		UNV							1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE	2 UG/L		UNV							1 UG/L		UNV			
1,1,2-TRICHLOROETHANE	2 UG/L		UNV							1 UG/L		UNV			
1,1-DICHLOROETHANE	2 UG/L		UNV							1 UG/L		UNV			
1,1-DICHLOROETHENE	2 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROETHANE	2 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)	2 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROPROPANE	2 UG/L		UNV							1 UG/L		UNV			
2-BUTANONE	5 UG/L		UNV							2 UG/L		UNV			
2-HEXANONE	5 UG/L		UNV							2 UG/L		UNV			
4-METHYL-2-PENTANONE	2 UG/L		UNV							2 UG/L		UNV			
ACETONE	5 UG/L		UNV							2 UG/L		UNV			
BENZENE	2 UG/L		UNV							1 UG/L		UNV			
BROMODICHLOROMETHANE	2 UG/L		UNV							1 UG/L		UNV			
BROMOFORM	2 UG/L		UNV							1 UG/L		UNV			
BROMOMETHANE	2 UG/L		UNV							1 UG/L		UNV			
CARBON DISULFIDE	3 UG/L		UNV							1 UG/L		UNV			
CARBON TETRACHLORIDE	2 UG/L		UNV							1 UG/L		UNV			
CHLOROBENZENE	2 UG/L		UNV							1 UG/L		UNV			
CHLOROETHANE	2 UG/L		UNV							1 UG/L		UNV			
CHLOROFORM	2 UG/L		UNV							1 UG/L		UNV			
CHLOROMETHANE	2 UG/L		UNV							1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE	2 UG/L		UNV							1 UG/L		UNV			
DIBROMOCHLOROMETHANE	2 UG/L		UNV							1 UG/L		UNV			
ETHYLBENZENE	2 UG/L		UNV							1 UG/L		UNV			
METHYLENE CHLORIDE	1 UG/L		UNV							1 UG/L		UNV			
STYRENE	1 UG/L		UNV							1 UG/L		UNV			
TETRACHLOROETHENE	2 UG/L		UNV							1 UG/L		UNV			

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SAMPLE NUMBER:	RS200202-R2			EMGW_SYSGEN_354			EMGW_SYSGEN_352			EMGW_SYSGEN_352			GW930511-1		
LAB:	ENSR			WMCO			IT			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TOLUENE	2 UG/L		UNV							1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV							1 UG/L		UNV			
TRICHLOROETHENE	2 UG/L		UNV							1 UG/L		UNV			
VINYL ACETATE	5 UG/L		UNV							2 UG/L		UNV			
VINYL CHLORIDE	2 UG/L		UNV							1 UG/L		UNV			
XYLENES, TOTAL	2 UG/L		UNV							1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930511-1	GW930511-1	GW930511-1	GW930511-1	GW930511-1
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	FERMCO	FERMCO	LOCKHEED	LOCKHEED
WELL OR BORING NUMBER:	2002	2002	2002	2002	2002
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-MAY-93	11-MAY-93	11-MAY-93	11-MAY-93	11-MAY-93
NORTH COORDINATE:	474718.98	474718.98	474718.98	474718.98	474718.98
EAST COORDINATE:	1380615.04	1380615.04	1380615.04	1380615.04	1380615.04
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													280 MG/L		-
AMMONIA													.058 MG/L		-
BICARBONATE ALKALINITY													280 MG/L		-
CARBONATE ALKALINITY													30 MG/L		U
CHLORIDE													27 MG/L		-
FLUORIDE													.16 MG/L		-
NITRATE/NITRITE													.05 MG/L		U
PH													7.9 SU		-
PHENOLS													.15 MG/L		U
PHOSPHORUS													.086 MG/L		-
SPECIFIC CONDUCTIVITY													730 UMHOS/CM		-
SULFATE													70 MG/L		-
TOTAL DISSOLVED SOLIDS										430 MG/L		-			
TOTAL ORGANIC CARBON													1.3 MG/L		-
TOTAL ORGANIC HALIDES													.062 MG/L		-
TOTAL ORGANIC NITROGEN													-.058 MG/L		U
TOTAL SOLIDS													470 MG/L		-
INORGANICS															
ALUMINUM										.024 MG/L		U	.248 MG/L		J
ANTIMONY										.027 MG/L		UJ	.027 MG/L		UJ
ARSENIC										.002 MG/L		U	.0029 MG/L		J
BARIUM										.0478 MG/L		-	.0606 MG/L		J
BERYLLIUM										.001 MG/L		U	.001 MG/L		UJ
CADMIUM										.002 MG/L		U	.002 MG/L		UJ
CALCIUM										107 MG/L		-	103 MG/L		

SAMPLE NUMBER:	GW930511-1			GW930511-1			GW930511-1			GW930511-1			GW930511-1		
LAB:	CORE			FERMCO			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM										.004 MG/L		U	.004 MG/L		UJ
COBALT										.005 MG/L		U	.005 MG/L		UJ
COPPER										.003 MG/L		U	.003 MG/L		UJ
CYANIDE										.055 MG/L		J	.02 MG/L		UJ
IRON										.006 MG/L		-	12.5 MG/L		J
LEAD										.002 MG/L		U	.002 MG/L		UJ
MAGNESIUM										27.5 MG/L		-	27.2 MG/L		J
MANGANESE										.113 MG/L		-	.136 MG/L		J
MERCURY										.0002 MG/L		U	.0002 MG/L		UJ
MOLYBDENUM										.011 MG/L		U	.011 MG/L		UJ
NICKEL										.011 MG/L		U	.011 MG/L		UJ
POTASSIUM										2.63 MG/L		-	2.93 MG/L		J
SELENIUM										.001 MG/L		UJ	.001 MG/L		UJ
SILVER										.004 MG/L		U	.004 MG/L		UJ
SODIUM										15.8 MG/L		-	15 MG/L		J
THALLIUM										.003 MG/L		U	.003 MG/L		UJ
VANADIUM										.004 MG/L		U	.004 MG/L		UJ
ZINC										.003 MG/L		U	.0106 MG/L		UJ
RADIONUCLIDES															
URANIUM-238	1.4 PCI/L	.4	J												
URANIUM, TOTAL	2.6 UG/L	.2	-	2.2 UG/L		NV	2.4 UG/L		NV						
URANIUM-234	1.5 PCI/L	.4	J												
THORIUM-230	.4 PCI/L	.1	J												
RADIUM-226	3.5 PCI/L	.6	-												
URANIUM-235/236	.2 PCI/L	.3	UJ												
THORIUM-232	.2 PCI/L	.1	UJ												
THORIUM, TOTAL	.91203204 PCI/L		NV												
RADIUM-228	3 PCI/L	1.8	U												
THORIUM-228	.2 PCI/L	.1	UJ												
GROSS ALPHA	45.7 PCI/L	8.7	NV												
GROSS BETA	48.5 PCI/L	8.2	NV												
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		UJ
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U

SAMPLE NUMBER:	GW930511-1			GW930511-1			GW930511-1			GW930511-1			GW930511-1		
LAB:	CORE			FERMCO			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		UJ
4-METHYL-2-PENTANONE													10 UG/L		UJ
ACETONE													10 UG/L		UJ
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_351			EMGW_SYSGEN_351			004003			004003			004210		
TASK:	GWMON			GWMON			3.2.4			3.2.4			3.2.4		
LAB:	IT			NET			IT			IT			IT		
WELL OR BORING NUMBER:	2002			2002			2002			2002			2002		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	14-JUN-90			14-JUN-90			19-APR-89			19-APR-89			19-APR-90		
NORTH COORDINATE:	474718.98			474718.98			474718.98			474718.98			474718.98		
EAST COORDINATE:	1380615.04			1380615.04			1380615.04			1380615.04			1380615.04		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		U			
CHLORIDE				28 MG/L		NV				37.49 MG/L		-			
FLUORIDE										.14 MG/L		-			
NITRATE				.08 MG/L		NV				.1 MG/L		R			
NITRATE, AS NITROGEN				.08 MG/L		NV									
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.104 MG/L		U			
SULFATE				64 MG/L		NV				108.8 MG/L		-			
TOTAL KJELDAHL NITROGEN										.239 MG/L		-			
TOTAL ORGANIC CARBON				1 MG/L		UNV									
TOTAL ORGANIC HALIDES										.01 MG/L		R			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										.239 MG/L		-			
INORGANICS															
ALUMINUM													.06 MG/L		U
ARSENIC							.002 MG/L		U				.002 MG/L		U
BARIUM							.0527 MG/L		-				.054 MG/L		-
CADMIUM							.0041 MG/L		U				.002 MG/L		U
CALCIUM							104 MG/L		-				93.5 MG/L		-
CHROMIUM							.0048 MG/L		-				.01 MG/L		U
COPPER							.0117 MG/L		U				.01 MG/L		U
IRON							.0757 MG/L		-				.19 MG/L		-
LEAD							.0162 MG/L		J				.002 MG/L		U
MAGNESIUM							28.6 MG/L		-				26 MG/L		-
MANGANESE							.213 MG/L		-				.12 MG/L		-

SAMPLE NUMBER:	EMGW_SYSGEN_351			EMGW_SYSGEN_351			004003			004003			004210		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MERCURY							.0002 MG/L		J				.0002 MG/L		U
MOLYBDENUM							.0052 MG/L		-				.01 MG/L		U
NICKEL							.0288 MG/L		U				.02 MG/L		U
POTASSIUM							3.48 MG/L		-				3.49 MG/L		-
SELENIUM							.002 MG/L		U				.003 MG/L		UJ
SILICON													2 MG/L		-
SILVER							.0005 MG/L		U				.01 MG/L		U
SODIUM							18.8 MG/L		-				17.3 MG/L		-
VANADIUM													.01 MG/L		U
RADIONUCLIDES															
URANIUM-238	1.81 PCI/L		NV							1 PCI/L		U			
URANIUM, TOTAL	5.42 UG/L		NV							2 UG/L	1	J			
URANIUM-234	1.94 PCI/L		NV							1.1 PCI/L	.3	J			
THORIUM-230	1.9 PCI/L		UNV							1 PCI/L		U			
RADIUM-226										1 PCI/L		U			
URANIUM-235/236	.24 PCI/L		UNV							1 PCI/L		U			
THORIUM-232	1.9 PCI/L		UNV							1 PCI/L		U			
THORIUM, TOTAL	17 UG/L		UNV							3 UG/L		U			
RADIUM-228										3 PCI/L		UJ			
THORIUM-228	15.3 PCI/L		NV							1 PCI/L		U			
NEPTUNIUM-237										1 PCI/L		UJ			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA	59.2 PCI/L		NV												
GROSS BETA	30.3 PCI/L		NV												
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_351			EMGW_SYSGEN_351			004003			004003			004210		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-BUTANONE				10 UG/L		UNV									
2-HEXANONE				10 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				10 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				10 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				10 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				5 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				10 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004210	GW930923-30	EMGW_SYSGEN_353	EMGW_SYSGEN_353	004153
TASK:	3.2.4	DMEPP	GWMON	GWMON	3.2.4
LAB:	IT	FERMCO	IT	NET	IT
WELL OR BORING NUMBER:	2002	2002	2002	2002	2002
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-APR-90	22-SEP-93	26-NOV-90	26-NOV-90	27-JUL-89
NORTH COORDINATE:	474718.98	474718.98	474718.98	474718.98	474718.98
EAST COORDINATE:	1380615.04	1380615.04	1380615.04	1380615.04	1380615.04
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										285 MG/L		NV			
AMMONIA	.1 MG/L		U							.14 MG/L		NV			
CHLORIDE	14.7 MG/L		-							27 MG/L		NV			
FLUORIDE	.1 MG/L		-							.17 MG/L		NV			
NITRATE	.08 MG/L		J							.47 MG/L		NV			
NITRATE/NITRITE										.47 MG/L		NV			
PH	.011 MG/L		-							6.98 SU		NV			
PHENOLS	.011 MG/L		-							.005 MG/L		UNV			
PHOSPHORUS	.11 MG/L		J							.55 MG/L		NV			
SPECIFIC CONDUCTIVITY										554 UMHOS/CM		NV			
SULFATE	71.9 MG/L		-							66 MG/L		NV			
SULFIDE	.5 MG/L		U												
TOTAL DISSOLVED SOLIDS										438 MG/L		NV			
TOTAL ORGANIC CARBON	1 MG/L		UJ							3 MG/L		NV			
TOTAL ORGANIC HALIDES	.25 MG/L		J												
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
INORGANICS															
ALUMINUM													.119 MG/L		-
ARSENIC													.002 MG/L		UJ
BARIUM													.053 MG/L		-
CADMIUM													.004 MG/L		-
CALCIUM													102 MG/L		-
CHROMIUM													.037 MG/L		-
COPPER													.01 MG/L		U

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SAMPLE NUMBER:	004210			GW930923-30			EMGW_SYSGEN_353			EMGW_SYSGEN_353			004153		
LAB:	IT			FERMCO			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE										.005 MG/L		UNV			
IRON													.169 MG/L		-
LEAD													.002 MG/L		U
MAGNESIUM													27.6 MG/L		-
MANGANESE													.098 MG/L		-
MERCURY													.0002 MG/L		-
MOLYBDENUM													.01 MG/L		U
NICKEL													.02 MG/L		U
POTASSIUM													2.48 MG/L		-
SELENIUM													.002 MG/L		U
SILICON													4.25 MG/L		-
SILVER													.01 MG/L		U
SODIUM													18.4 MG/L		-
VANADIUM													.014 MG/L		-
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	1.16 PCI/L	.36	-				1.02 PCI/L		NV						
URANIUM, TOTAL	3.45 UG/L	1.12	-	2.1 UG/L		NV	3.67 UG/L		NV						
URANIUM-234	1.56 PCI/L	.42	-				1.34 PCI/L		NV						
THORIUM-230	1.01 PCI/L	.56	-				2 PCI/L		NV						
RADIUM-226	1.86 PCI/L	.34	NV				1 PCI/L		UNV						
URANIUM-235/236	1 PCI/L		U				.27 PCI/L		UNV						
THORIUM-232	1 PCI/L		U				.65 PCI/L		UNV						
THORIUM, TOTAL	5.8 UG/L		U				5.9 UG/L		UNV						
RADIUM-228	3 PCI/L		UJ				3 PCI/L		UNV						
THORIUM-228	1.69 PCI/L	.71	-				1.66 PCI/L		NV						
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		U												
PLUTONIUM-238	1 PCI/L		U												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA							18.6 PCI/L		NV						
GROSS BETA							10.2 PCI/L		NV						

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004210			GW930923-30			EMGW_SYSGEN_353			EMGW_SYSGEN_353			004153		
LAB:	IT			FERMCO			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004153	003250	003022	003022	003022
TASK:	3.2.4	3.2.4	9.8	9.8	9.8
LAB:	IT	IT	IT	IT	IT/MWL
WELL OR BORING NUMBER:	2002	2004	2004	2004	2004
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-JUL-89	01-JUN-88	03-DEC-87	03-DEC-87	03-DEC-87
NORTH COORDINATE:	474718.98	481185.1	481185.1	481185.1	481185.1
EAST COORDINATE:	1380615.04	1377945.09	1377945.09	1377945.09	1377945.09
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U	.41 MG/L		UJ									
CHLORIDE	31.2 MG/L		-	26.4 MG/L		-				24.3 MG/L		J			
FLUORIDE	.14 MG/L		-	.41 MG/L		-				.2 MG/L		J			
HEXAVALENT CHROMIUM										.01 MG/L		UJ			
NITRATE	.1 MG/L		UJ	1.63 MG/L		J				.24 MG/L		J			
PHENOLS	.06 MG/L		-	.06 MG/L		J				.01 MG/L		UJ			
PHOSPHORUS	.461 MG/L		-	.05 MG/L		-									
SULFATE	86 MG/L		-	67.3 MG/L		-				34 MG/L		J			
SULFIDE	.5 MG/L		UJ												
TOTAL KJELDAHL NITROGEN	.444 MG/L		-	.41 MG/L		UJ									
TOTAL ORGANIC CARBON	1.41 MG/L		-												
TOTAL ORGANIC HALIDES	.01 MG/L		U												
TOTAL ORGANIC NITROGEN	.444 MG/L		-	.41 MG/L		UJ									
INORGANICS															
ALUMINUM				.0114 MG/L		U									
ANTIMONY				.0467 MG/L		U									
ARSENIC				.0019 MG/L		U	.2 MG/L		UJ						
BARIUM				.0359 MG/L		J	.043 MG/L		J						
BERYLLIUM				.0024 MG/L		U									
CADMIUM				.0007 MG/L		U	.002 MG/L		UJ						
CALCIUM				75.3 MG/L		J									
CHROMIUM				.0017 MG/L		U	.02 MG/L		UJ						
COBALT				.0052 MG/L		U									
COPPER				.0067 MG/L		U	.01 MG/L		UJ						
CYANIDE				.01 MG/L		U				.01 MG/L		UJ			

SAMPLE NUMBER:	004153			003250			003022			003022			003022		
LAB:	IT			IT			IT			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				.12 MG/L		-	.203 MG/L		J						
LEAD				.0021 MG/L		U	.05 MG/L		UJ						
MAGNESIUM				20.2 MG/L		-									
MANGANESE				.0216 MG/L		-	.013 MG/L		J						
MERCURY				.00029 MG/L		U	.0002 MG/L		UJ						
MOLYBDENUM				.0333 MG/L		U	.02 MG/L		UJ						
NICKEL				.0123 MG/L		U	.02 MG/L		UJ						
POTASSIUM				3.06 MG/L		J									
SELENIUM				.0018 MG/L		UJ	.2 MG/L		UJ						
SILVER				.0043 MG/L		U	.01 MG/L		UJ						
SODIUM				12.3 MG/L		-	12.21 MG/L		J						
THALLIUM				.0041 MG/L		UJ									
VANADIUM				.0034 MG/L		J									
ZINC				.0389 MG/L		-									
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL				5 UG/L		UJ									
DEMETON				1 UG/L		UJ									
DIAZINON				.5 UG/L		UJ									
DISULFOTON				.5 UG/L		UJ									
ETHION				.5 UG/L		UJ									
MALATHION				1 UG/L		UJ									
METHYL PARATHION				1 UG/L		UJ									
PARATHION				.5 UG/L		UJ									
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.5 UG/L		U									
AROCLOR-1016				.5 UG/L		U									
AROCLOR-1221				.5 UG/L		U									
AROCLOR-1232				.5 UG/L		U									
AROCLOR-1242				.5 UG/L		U									
AROCLOR-1248				.5 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									

SAMPLE NUMBER:	004153			003250			003022			003022			003022		
LAB:	IT			IT			IT			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.05 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.05 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.5 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				1 UG/L		U									
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U	4.6 PCI/L	.7	-	1 PCI/L		R						
URANIUM, TOTAL	1 UG/L		U	7 UG/L	1	J	2 UG/L	1	R						
URANIUM-234	1 PCI/L		U	1.6 PCI/L	.3	-	1 PCI/L		R						
THORIUM-230	1 PCI/L		UJ	1.5 PCI/L	.5	-	1 PCI/L		R						
RADIUM-226	1 PCI/L		UJ	1 PCI/L		U	1 PCI/L		R						
URANIUM-235/236	1 PCI/L		U	1 PCI/L		U	1 PCI/L		R						
THORIUM-232	1 PCI/L		UJ	1 PCI/L		U	1 PCI/L		R						
THORIUM, TOTAL	3 UG/L		UJ												
RADIUM-228	3 PCI/L		UJ	3 PCI/L		U	3 PCI/L		R						
THORIUM-228	1 PCI/L		UJ	1 PCI/L		U	1 PCI/L		R						
NEPTUNIUM-237	1 PCI/L		U	1 PCI/L		J	1 PCI/L		R						
PLUTONIUM-239/240	1 PCI/L		U	1 PCI/L		U	1 PCI/L		R						
PLUTONIUM-238	1 PCI/L		U	1 PCI/L		U	1 PCI/L		R						
STRONTIUM-90	5 PCI/L		U	7.9 PCI/L	6.5	-	5 PCI/L		R						
TECHNETIUM-99	30 PCI/L		U	30 PCI/L		U	30 PCI/L		R						
RUTHENIUM-106	150 PCI/L		R	150 PCI/L		R	150 PCI/L		R						
CESIUM-137	20 PCI/L		R	20 PCI/L		R	20 PCI/L		R						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				50 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									

SAMPLE NUMBER:	004153			003250			003022			003022			003022		
LAB:	IT			IT			IT			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		U									
2,4-DINITROPHENOL				50 UG/L		U									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				50 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				20 UG/L		U									
3-NITROANILINE				50 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		UJ									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				50 UG/L		U									
4-NITROPHENOL				50 UG/L		U									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		UJ									
BENZO(K)FLUORANTHENE				10 UG/L		U									
BENZOIC ACID				50 UG/L		U									
BENZYL ALCOHOL				10 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		UJ									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		UJ									
DIBENZO(A,H)ANTHRACENE				10 UG/L		U									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									

SAMPLE NUMBER:	004153			003250			003022			003022			003022		
LAB:	IT			IT			IT			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		UJ									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		U									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				50 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				50 UG/L		UJ									
PHENANTHRENE				10 UG/L		U									
PHENOL	.06 MG/L		-	10 UG/L		U				.01 MG/L		UJ			
PYRENE				10 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		U				5 UG/L		UJ			
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U				5 UG/L		UJ			
1,1,2-TRICHLOROETHANE				5 UG/L		U				5 UG/L		UJ			
1,1-DICHLOROETHANE				5 UG/L		U				5 UG/L		UJ			
1,1-DICHLOROETHENE				5 UG/L		U				5 UG/L		UJ			
1,2-DICHLOROETHANE				5 UG/L		U				5 UG/L		UJ			
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U				5 UG/L		UJ			
1,2-DICHLOROPROPANE				5 UG/L		U				5 UG/L		UJ			
2-BUTANONE				10 UG/L		R				10 UG/L		UJ			
2-HEXANONE				10 UG/L		U				10 UG/L		UJ			
4-METHYL-2-PENTANONE				10 UG/L		U				10 UG/L		UJ			
ACETONE				10 UG/L		U							2 UG/L		UJ
BENZENE				5 UG/L		UJ				5 UG/L		UJ			
BROMODICHLOROMETHANE				5 UG/L		U				5 UG/L		UJ			
BROMOFORM				5 UG/L		U							5 UG/L		UJ
BROMOMETHANE				10 UG/L		U				10 UG/L		UJ			
CARBON DISULFIDE				5 UG/L		U				5 UG/L		UJ			
CARBON TETRACHLORIDE				5 UG/L		U				5 UG/L		UJ			
CHLOROBENZENE				5 UG/L		UJ				5 UG/L		UJ			
CHLOROETHANE				10 UG/L		U				10 UG/L		UJ			
CHLOROFORM				5 UG/L		U				5 UG/L		UJ			

SAMPLE NUMBER:	004153			003250			003022			003022			003022		
LAB:	IT			IT			IT			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROMETHANE				10 UG/L		U				10 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE				5 UG/L		U				5 UG/L		UJ			
DIBROMOCHLOROMETHANE				5 UG/L		U				5 UG/L		UJ			
ETHYLBENZENE				5 UG/L		UJ				5 UG/L		UJ			
METHYLENE CHLORIDE				5 UG/L		U				5 UG/L		UJ			
STYRENE				5 UG/L		UJ				5 UG/L		UJ			
TETRACHLOROETHENE				5 UG/L		U				5 UG/L		UJ			
TOLUENE				5 UG/L		UJ				5 UG/L		UJ			
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U				5 UG/L		UJ			
TRICHLOROETHENE				5 UG/L		U				5 UG/L		UJ			
VINYL ACETATE				10 UG/L		UJ				10 UG/L		UJ			
VINYL CHLORIDE				10 UG/L		U				10 UG/L		UJ			
XYLENES, TOTAL				5 UG/L		UJ				5 UG/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003022	EMGW_SYSGEN_362	EMGW_SYSGEN_362	EMGW_SYSGEN_362	EMGW_SYSGEN_358
TASK:	9.8	GWMON	GWMON	GWMON	GWMON
LAB:	UNKNOWN	IT	NET	NET	NET
WELL OR BORING NUMBER:	2004	2004	2004	2004	2004
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-DEC-87	05-FEB-91	05-FEB-91	05-FEB-91	06-AUG-90
NORTH COORDINATE:	481185.1	481185.1	481185.1	481185.1	481185.1
EAST COORDINATE:	1377945.09	1377945.09	1377945.09	1377945.09	1377945.09
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										245 MG/L		NV			
AMMONIA										.02 MG/L		NV			
CHLORIDE										21 MG/L		NV			
FECAL COLIFORM	0 COLONIES/100 ML		-												
FLUORIDE										.23 MG/L		NV			
NITRATE, AS NITROGEN										1.9 MG/L		NV			
PH										7.41 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										.02 MG/L		UNV			
SPECIFIC CONDUCTIVITY										578 UMHOS/CM		NV			
SULFATE										86 MG/L		NV			
TOTAL DISSOLVED SOLIDS										355 MG/L		NV			
TOTAL ORGANIC CARBON										6 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ALUMINUM							.5 MG/L		UNV	.5 MG/L		UNV	.5 MG/L		UNV
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC							.0025 MG/L		UNV	.0025 MG/L		UNV	.0025 MG/L		UNV
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM							65.2 MG/L		NV	79.2 MG/L		NV	33.2 MG/L		NV
CHROMIUM										.005 MG/L		UNV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV
COPPER							.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV

SAMPLE NUMBER:	003022			EMGW_SYSGEN_362			EMGW_SYSGEN_362			EMGW_SYSGEN_362			EMGW_SYSGEN_358		
LAB:	UNKNOWN			IT			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE										.005 MG/L		UNV			
IRON							.05 MG/L		UNV	2.32 MG/L		NV	.05 MG/L		UNV
LEAD							.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM							17.8 MG/L		NV	21.3 MG/L		NV	18.4 MG/L		NV
MANGANESE							.045 MG/L		NV	.058 MG/L		NV	.118 MG/L		NV
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV
NICKEL							.005 MG/L		UNV	.007 MG/L		NV	.005 MG/L		UNV
POTASSIUM							3.41 MG/L		NV	3.42 MG/L		NV	4.24 MG/L		NV
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER							.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV
SODIUM							14.8 MG/L		NV	15.2 MG/L		NV	16.1 MG/L		NV
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV
ZINC							.02 MG/L		UNV	.042 MG/L		NV	.02 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				3.43 PCI/L		NV									
URANIUM, TOTAL				7.25 UG/L		NV									
URANIUM-234				1.45 PCI/L		NV									
THORIUM-230				.298 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.21 PCI/L		UNV									
THORIUM-232				.29 PCI/L		UNV									
THORIUM, TOTAL				2.6 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				1.58 PCI/L		NV									
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
TECHNETIUM-99				15 PCI/L		UNV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				13 PCI/L		UNV									
GROSS ALPHA				5.98 PCI/L		NV									
GROSS BETA				8.96 PCI/L		NV									

000594

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003022			EMGW_SYSGEN_362			EMGW_SYSGEN_362			EMGW_SYSGEN_362			EMGW_SYSGEN_358		
LAB:	UNKNOWN			IT			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_358	003757	003757	066836	EMGW_SYSGEN_359
TASK:	GWMON	3.2.4	3.2.4	9.27	GWMON
LAB:	NET	IT	IT	IT	IT
WELL OR BORING NUMBER:	2004	2004	2004	2004	2004
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-AUG-90	06-DEC-88	06-DEC-88	06-JAN-90	07-AUG-90
NORTH COORDINATE:	481185.1	481185.1	481185.1	481185.1	481185.1
EAST COORDINATE:	1377945.09	1377945.09	1377945.09	1377945.09	1377945.09
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.19 MG/L		J						
CHLORIDE	36 MG/L		NV				3 MG/L		U						
FLUORIDE	.21 MG/L		NV				.24 MG/L		-						
NITRATE	4.72 MG/L		NV				.1 MG/L		R						
NITRATE, AS NITROGEN	4.72 MG/L		NV												
PHENOLS	.005 MG/L		UNV				.02 MG/L		-						
PHOSPHORUS							.909 MG/L		-						
SULFATE	87 MG/L		NV				236 MG/L		-						
TOTAL KJELDAHL NITROGEN							1.39 MG/L		J						
TOTAL ORGANIC CARBON	3 MG/L		NV												
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC HALOGENS	.014 MG/L		NV												
TOTAL ORGANIC NITROGEN							1.2 MG/L		UJ						
INORGANICS															
ALUMINUM	.5 MG/L		UNV												
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.0025 MG/L		UNV	.002 MG/L		UJ									
BARIUM	.2 MG/L		UNV	.046 MG/L		U									
BERYLLIUM	.01 MG/L		UNV												
CADMIUM	.002 MG/L		NV	.002 MG/L		U									
CALCIUM	45.2 MG/L		NV	86.1 MG/L		-									
CHROMIUM	.005 MG/L		UNV	.02 MG/L		U									
COBALT	.025 MG/L		UNV												
COPPER	.025 MG/L		UNV	.01 MG/L		U									
IRON	99.6 MG/L		NV	.411 MG/L		-									

SAMPLE NUMBER:	EMGW_SYSGEN_358			003757			003757			066836			EMGW_SYSGEN_359		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD	.009 MG/L		NV	.002 MG/L		UJ									
MAGNESIUM	20.8 MG/L		NV	23.8 MG/L		-									
MANGANESE	.209 MG/L		NV	.251 MG/L		-									
MERCURY	.0002 MG/L		UNV	.0003 MG/L		J									
MOLYBDENUM	.025 MG/L		UNV	.02 MG/L		U									
NICKEL	.028 MG/L		NV	.02 MG/L		U									
POTASSIUM	4.48 MG/L		NV	2.84 MG/L		-									
SELENIUM	.0025 MG/L		UNV	.002 MG/L		UJ									
SILVER	.001 MG/L		UNV	.02 MG/L		U									
SODIUM	17.9 MG/L		NV	12.8 MG/L		-									
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV												
ZINC	.086 MG/L		NV												
RADIONUCLIDES															
URANIUM-238							5.8 PCI/L	1	-	3.56 PCI/L	.76	-	5.52 PCI/L		NV
URANIUM, TOTAL							18 UG/L	2	-	14.7 UG/L	1.6	J	13.9 UG/L		NV
URANIUM-234							3.9 PCI/L	.8	-	2.2 PCI/L	.57	R	2.93 PCI/L		NV
THORIUM-230							1 PCI/L		U	1.61 PCI/L	.6	J	.46 PCI/L		UNV
RADIUM-226							1 PCI/L		U				1 PCI/L		UNV
URANIUM-235/236							1 PCI/L		U	1 PCI/L		U	.362 PCI/L		NV
THORIUM-232							1 PCI/L		U				.46 PCI/L		UNV
THORIUM, TOTAL							5 UG/L		U				4.1 UG/L		UNV
RADIUM-228							3 PCI/L		U				3 PCI/L		UNV
THORIUM-228							1 PCI/L		U	1 PCI/L		U	.612 PCI/L		NV
NEPTUNIUM-237							1 PCI/L		U						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U	30 PCI/L		U			
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_358			003757			003757			066836			EMGW_SYSGEN_359		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_361			EMGW_SYSGEN_361			EMGW_SYSGEN_361			120060-2			120060-2		
TASK:	GWMON			GWMON			GWMON			50.03.23			50.03.23		
LAB:	IT			NET			NET			CORE			CORE		
WELL OR BORING NUMBER:	2004			2004			2004			2004			2004		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	09-NOV-90			09-NOV-90			09-NOV-90			13-JUL-93			13-JUL-93		
NORTH COORDINATE:	481185.1			481185.1			481185.1			481185.1			481185.1		
EAST COORDINATE:	1377945.09			1377945.09			1377945.09			1377945.09			1377945.09		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							261 MG/L		NV						
AMMONIA							.02 MG/L		UNV						
CHLORIDE							28 MG/L		NV						
FLUORIDE							.25 MG/L		NV						
NITRATE/NITRITE							2.3 MG/L		NV						
PH							7.91 SU		NV						
PHENOLS							.005 MG/L		UNV						
PHOSPHORUS							.02 MG/L		UNV						
SPECIFIC CONDUCTIVITY							578 UMHOS/CM		NV						
SULFATE							50 MG/L		NV						
TOTAL DISSOLVED SOLIDS							374 MG/L		NV						
TOTAL ORGANIC CARBON							1 MG/L		NV						
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.5 MG/L		UNV	.5 MG/L		UNV						
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV						
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV						
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV						
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV						
CALCIUM				51.3 MG/L		NV	46.3 MG/L		NV						
CHROMIUM							.005 MG/L		UNV						
COBALT				.025 MG/L		UNV	.025 MG/L		UNV						
COPPER				.025 MG/L		UNV	.025 MG/L		UNV						
CYANIDE							.005 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_361			EMGW_SYSGEN_361			EMGW_SYSGEN_361			120060-2			120060-2		
LAB:	IT			NET			NET			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				.073 MG/L		NV	3.03 MG/L		NV						
LEAD				.005 MG/L		UNV	.031 MG/L		NV						
MAGNESIUM				18.2 MG/L		NV	20.4 MG/L		NV						
MANGANESE				.039 MG/L		NV	.087 MG/L		NV						
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV						
NICKEL				.005 MG/L		UNV	.017 MG/L		NV						
POTASSIUM				3.21 MG/L		NV	3.46 MG/L		NV						
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM				8.1 MG/L		NV	14 MG/L		NV						
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC				.02 MG/L		UNV	.048 MG/L		NV						
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	6.2 PCI/L		NV							2.7 PCI/L	.8	J	2.9 PCI/L	.9	J
URANIUM, TOTAL	6.94 UG/L		NV							8.9 UG/L	.6	-	8.9 UG/L	.6	-
URANIUM-234	3.43 PCI/L		NV							1.6 PCI/L	.6	J	1.3 PCI/L	.6	J
THORIUM-230	.42 PCI/L		UNV							.3 PCI/L	.2	J	.4 PCI/L	.2	R
RADIUM-226	1 PCI/L		UNV							1 PCI/L	.4	UJ	1 PCI/L	.6	UJ
URANIUM-235/236	.79 PCI/L		UNV							.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ
THORIUM-232	.42 PCI/L		UNV							.2 PCI/L	.2	UJ	.1 PCI/L	.4	R
THORIUM, TOTAL	3.8 UG/L		UNV							.91201488 PCI/L	.2	NV			
RADIUM-228	3 PCI/L		UNV							3 PCI/L	1	U	3 PCI/L	1.1	U
THORIUM-228	.537 PCI/L		NV							.2 PCI/L	2.2	UJ	.2 PCI/L	1.1	R
NEPTUNIUM-237	4.9 PCI/L		UNV												
PLUTONIUM-239/240	.5 PCI/L		UNV												
PLUTONIUM-238	.5 PCI/L		UNV												
TECHNETIUM-99	15 PCI/L		UNV												
GROSS ALPHA	5.7 PCI/L		UNV							4.1 PCI/L	3	NV	6.5 PCI/L	1.5	NV
GROSS BETA	7.47 PCI/L		NV							10.4 PCI/L	4	NV	9 PCI/L	3.6	NV
URANIUM-235	.79 PCI/L		UNV							.1 PCI/L	.1	NV	.1 PCI/L	.2	NV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_361			EMGW_SYSGEN_361			EMGW_SYSGEN_361			120060-2			120060-2		
LAB:	IT			NET			NET			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							1 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120060	120060	120060	120060	120060
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	CORE	DATACHEM	DATACHEM	FERMCO
WELL OR BORING NUMBER:	2004	2004	2004	2004	2004
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-JUL-93	13-JUL-93	13-JUL-93	13-JUL-93	13-JUL-93
NORTH COORDINATE:	481185.1	481185.1	481185.1	481185.1	481185.1
EAST COORDINATE:	1377945.09	1377945.09	1377945.09	1377945.09	1377945.09
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										240 MG/L		-			
AMMONIA										.05 MG/L		U			
BICARBONATE ALKALINITY										300 MG/L		-			
CARBONATE ALKALINITY										1 MG/L		U			
CHLORIDE										23 MG/L		-			
FLUORIDE										.3 MG/L		-			
NITRATE										1.9 MG/L		-			
PH										7.5 SU		-			
PHENOLS										.002 MG/L		U			
PHOSPHORUS										.05 MG/L		U			
SPECIFIC CONDUCTIVITY										630 UMHOS/CM		-			
SULFATE										55 MG/L		-			
TOTAL DISSOLVED SOLIDS										360 MG/L		-			
TOTAL KJELDAHL NITROGEN										.2 MG/L		-			
TOTAL ORGANIC CARBON										1 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL SOLIDS										390 MG/L		-			
INORGANICS															
ALUMINUM							.014 MG/L		U	.0741 MG/L		U			
ANTIMONY							.045 MG/L		U	.045 MG/L		U			
ARSENIC							.001 MG/L		U	.001 MG/L		U			
BARIUM							.0458 MG/L		-	.0489 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.0051 MG/L		U	.0051 MG/L		U			
CALCIUM							89.5 MG/L		-	86.7 MG/L		-			

SAMPLE NUMBER:	120060			120060			120060			120060			120060		
LAB:	CORE			CORE			DATACHEM			DATACHEM			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM							.0064 MG/L		U	.0192 MG/L		U			
COBALT							.006 MG/L		U	.006 MG/L		U			
COPPER							.004 MG/L		U	.004 MG/L		U			
CYANIDE							.01 MG/L		UJ	.01 MG/L		UJ			
IRON							.0397 MG/L		U	3.74 MG/L		-			
LEAD							.001 MG/L		U	.001 MG/L		U			
MAGNESIUM							22.3 MG/L		-	22.1 MG/L		-			
MANGANESE							.0592 MG/L		-	.114 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.019 MG/L		U	.0334 MG/L		-			
POTASSIUM							3.28 MG/L		-	3.28 MG/L		-			
SELENIUM							.002 MG/L		U	.0022 MG/L		J			
SILVER							.003 MG/L		UJ	.003 MG/L		UJ			
SODIUM							12.6 MG/L		-	12.6 MG/L		-			
THALLIUM							.001 MG/L		U	.001 MG/L		U			
VANADIUM							.004 MG/L		U	.004 MG/L		U			
ZINC							.0101 MG/L		-	.0273 MG/L		-			
RADIONUCLIDES															
URANIUM-238	2.7 PCI/L	.8	NV	2.9 PCI/L	.9	NV									
URANIUM, TOTAL				8.9 UG/L	.6	NV							11 UG/L		NV
URANIUM-234	1.6 PCI/L	.6	NV	1.3 PCI/L	.6	NV									
THORIUM-230	.3 PCI/L	.2	NV	.4 PCI/L	.2	NV									
RADIUM-226	1 PCI/L	.2	UNV	1 PCI/L	.3	UNV									
URANIUM-235/236	.2 PCI/L	.1	UNV	.2 PCI/L	.1	UNV									
THORIUM-232	.2 PCI/L	.2	UNV	.2 PCI/L	.2	UNV									
THORIUM, TOTAL	.91201488 PCI/L	2	NV	PCI/L	.2	NV									
RADIUM-228	3 PCI/L	1	UNV	3 PCI/L	1.1	UNV									
THORIUM-228	.2 PCI/L	1.1	UNV	.2 PCI/L	1.1	UNV									
GROSS ALPHA	4.1 PCI/L	1.5	NV	6.5 PCI/L	1.5	NV									
GROSS BETA	10.4 PCI/L	2	NV	9 PCI/L	1.8	NV									
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		UJ			

SAMPLE NUMBER:	120060			120060			120060			120060			120060		
LAB:	CORE			CORE			DATACHEM			DATACHEM			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		UJ			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										2 UG/L		J			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										.8 UG/L		J			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120060	EMGW_SYSGEN_360	EMGW_SYSGEN_360D	003510	003510
TASK:	50.03.23	GWMON	GWMON	3.2.4	3.2.4
LAB:	FERMCO	NET	NET	IT	IT
WELL OR BORING NUMBER:	2004	2004	2004	2004	2004
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-JUL-93	17-SEP-90	17-SEP-90	19-AUG-88	19-AUG-88
NORTH COORDINATE:	481185.1	481185.1	481185.1	481185.1	481185.1
EAST COORDINATE:	1377945.09	1377945.09	1377945.09	1377945.09	1377945.09
QA TYPE:	NORMAL	NORMAL	DUPLICATE	NORMAL	NORMAL
QC OF:			EMGW_SYSGEN_360		
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				219 MG/L		NV	205 MG/L		NV						
AMMONIA													.3 MG/L		J
CHLORIDE				20 MG/L		NV	22 MG/L		NV				25 MG/L		-
FLUORIDE				.67 MG/L		NV	.26 MG/L		NV				.34 MG/L		-
NITRATE				2.59 MG/L		NV	2.65 MG/L		NV				.1 MG/L		R
NITRATE, AS NITROGEN				2.59 MG/L		NV	2.65 MG/L		NV						
PH				7.26 SU		NV	7.25 SU		NV				.02 MG/L		J
PHENOLS				.005 MG/L		UNV	.005 MG/L		UNV				.02 MG/L		J
PHOSPHORUS													1.28 MG/L		J
SPECIFIC CONDUCTIVITY				635 UMHOS/CM		NV	619 UMHOS/CM		NV						
SULFATE				63 MG/L		NV	64 MG/L		NV				35 MG/L		-
TOTAL DISSOLVED SOLIDS				385 MG/L		NV	380 MG/L		NV						
TOTAL ORGANIC CARBON				4 MG/L		NV	6 MG/L		NV						
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV	.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													2.2 MG/L		J
INORGANICS															
ARSENIC										.002 MG/L		U			
BARIUM										.038 MG/L		-			
CADMIUM										.002 MG/L		U			
CALCIUM										81.7 MG/L		-			
CHROMIUM										.02 MG/L		U			
COPPER										.01 MG/L		U			
IRON										.2 MG/L		-			
LEAD										.002 MG/L		UJ			
MAGNESIUM										21.7 MG/L		-			

SAMPLE NUMBER:	120060			EMGW_SYSGEN_360			EMGW_SYSGEN_360D			003510			003510		
LAB:	FERMCO			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE										.012 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										3.2 MG/L		-			
SELENIUM										.002 MG/L		U			
SILVER										.01 MG/L		U			
SODIUM										12.4 MG/L		-			
RADIONUCLIDES															
URANIUM-238													2.4 PCI/L	.4	-
URANIUM, TOTAL	11 UG/L		NV										9 UG/L	1	J
URANIUM-234													1.5 PCI/L	.3	-
THORIUM-230													1 PCI/L		UJ
RADIUM-226													1 PCI/L		R
URANIUM-235/236													1 PCI/L		UJ
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													2 UG/L		U
RADIUM-228													3 PCI/L		U
THORIUM-228													1 PCI/L		UJ
NEPTUNIUM-237													1 PCI/L		UJ
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		UJ
STRONTIUM-90													5 PCI/L		UJ
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV	10 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV						
1,1,2-TRICHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV						
1,1-DICHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV						
1,1-DICHLOROETHENE				1 UG/L		UNV	1 UG/L		UNV						
1,2-DICHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV	1 UG/L		UNV						

SAMPLE NUMBER:	120060			EMGW_SYSGEN_360			EMGW_SYSGEN_360D			003510			003510		
LAB:	FERMCO			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE				1 UG/L		UNV	1 UG/L		UNV						
2-BUTANONE				2 UG/L		UNV	2 UG/L		UNV						
2-HEXANONE				2 UG/L		UNV	2 UG/L		UNV						
4-METHYL-2-PENTANONE				2 UG/L		UNV	2 UG/L		UNV						
ACETONE				2 UG/L		UNV	2 UG/L		UNV						
BENZENE				1 UG/L		UNV	1 UG/L		UNV						
BROMODICHLOROMETHANE				1 UG/L		UNV	1 UG/L		UNV						
BROMOFORM				1 UG/L		UNV	1 UG/L		UNV						
BROMOMETHANE				1 UG/L		UNV	1 UG/L		UNV						
CARBON DISULFIDE				1 UG/L		UNV	1 UG/L		UNV						
CARBON TETRACHLORIDE				1 UG/L		UNV	1 UG/L		UNV						
CHLOROBENZENE				1 UG/L		UNV	1 UG/L		UNV						
CHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV						
CHLOROFORM				1 UG/L		UNV	1 UG/L		UNV						
CHLOROMETHANE				1 UG/L		UNV	1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV	1 UG/L		UNV						
DIBROMOCHLOROMETHANE				1 UG/L		UNV	1 UG/L		UNV						
ETHYLBENZENE				1 UG/L		UNV	1 UG/L		UNV						
METHYLENE CHLORIDE				1 UG/L		UNV	1 UG/L		UNV						
STYRENE				1 UG/L		UNV	1 UG/L		UNV						
TETRACHLOROETHENE				1 UG/L		UNV	1 UG/L		UNV						
TOLUENE				1 UG/L		UNV	1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV	1 UG/L		UNV						
TRICHLOROETHENE				1 UG/L		UNV	1 UG/L		UNV						
VINYL ACETATE				2 UG/L		UNV	2 UG/L		UNV						
VINYL CHLORIDE				1 UG/L		UNV	1 UG/L		UNV						
XYLENES, TOTAL				1 UG/L		UNV	1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003511	003511	003512	EMGW_SYSGEN_356	EMGW_SYSGEN_356
TASK:	3.2.4	3.2.4	3.2.4	GWMON	GWMON
LAB:	IT	IT	IT-KNOX	IT	NET
WELL OR BORING NUMBER:	2004	2004	2004	2004	2004
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-AUG-88	19-AUG-88	19-AUG-88	21-MAY-90	21-MAY-90
NORTH COORDINATE:	481185.1	481185.1	481185.1	481185.1	481185.1
EAST COORDINATE:	1377945.09	1377945.09	1377945.09	1377945.09	1377945.09
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL	NORMAL
QC OF:	003510	003510	003511		
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		J	.1 MG/L		U						
CHLORIDE				27.5 MG/L		-							25 MG/L		NV
FLUORIDE				.28 MG/L		-									
NITRATE				.1 MG/L		R	2.5 MG/L		UJ				2.05 MG/L		NV
NITRATE, AS NITROGEN													2.05 MG/L		NV
PHENOLS				.01 MG/L		R	.01 MG/L		U						
PHOSPHATE							.75 MG/L		-						
PHOSPHORUS				.065 MG/L		J									
SULFATE				50 MG/L		-							55 MG/L		NV
TOTAL ORGANIC CARBON													6 MG/L		NV
TOTAL ORGANIC HALIDES				.05 MG/L		U	.05 MG/L		U						
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN				.2 MG/L		J	.3 MG/L		-						
INORGANICS															
ARSENIC	.002 MG/L		U												
BARIUM	.04 MG/L		-												
CADMIUM	.002 MG/L		U												
CALCIUM	82.8 MG/L		-												
CHROMIUM	.02 MG/L		U												
COPPER	.01 MG/L		U												
IRON	.11 MG/L		-												
LEAD	.002 MG/L		UJ												
MAGNESIUM	22.3 MG/L		-												
MANGANESE	.012 MG/L		-												
MERCURY	.0002 MG/L		U												

SAMPLE NUMBER:	003511			003511			003512			EMGW_SYSGEN_356			EMGW_SYSGEN_356		
LAB:	IT			IT			IT-KNOX			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.02 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	1 MG/L		U												
SELENIUM	.002 MG/L		U												
SILVER	.01 MG/L		U												
SODIUM	13 MG/L		-												
RADIONUCLIDES															
URANIUM-238				2.4 PCI/L	.5	-				2.81 PCI/L		NV			
URANIUM, TOTAL				11 UG/L	2	J				8.95 UG/L		NV			
URANIUM-234				1.2 PCI/L	.3	-				1.21 PCI/L		NV			
THORIUM-230				1 PCI/L		UJ				.871 PCI/L		NV			
RADIUM-226				1 PCI/L		R				1 PCI/L		UNV			
URANIUM-235/236				1 PCI/L		UJ				.2 PCI/L		UNV			
THORIUM-232				1 PCI/L		U				.22 PCI/L		UNV			
THORIUM, TOTAL				2 UG/L		U				2 UG/L		UNV			
RADIUM-228				3 PCI/L		U				3.78 PCI/L		NV			
THORIUM-228				1 PCI/L		UJ				.22 PCI/L		UNV			
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		UJ									
STRONTIUM-90				5 PCI/L		R									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA										13.2 PCI/L		NV			
GROSS BETA										20 PCI/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV

SAMPLE NUMBER:	003511			003511			003512			EMGW_SYSGEN_356			EMGW_SYSGEN_356		
LAB:	IT			IT			IT-KNOX			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_357			EMGW_SYSGEN_357			003940			003940			004115		
TASK:	GWMON			GWMON			3.2.4			3.2.4			3.2.4		
LAB:	IT			NET			IT			IT			IT		
WELL OR BORING NUMBER:	2004			2004			2004			2004			2006		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	27-JUN-90			27-JUN-90			28-FEB-89			28-FEB-89			04-JUN-89		
NORTH COORDINATE:	481185.1			481185.1			481185.1			481185.1			480353.44		
EAST COORDINATE:	1377945.09			1377945.09			1377945.09			1377945.09			1380563.69		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.4 MG/L		J			
CHLORIDE				22 MG/L		NV				38 MG/L		J			
FLUORIDE										.2 MG/L		J			
NITRATE				1.18 MG/L		NV				1.4 MG/L		J			
NITRATE, AS NITROGEN				1.18 MG/L		NV									
PHENOLS										.017 MG/L		J			
PHOSPHORUS										.24 MG/L		J			
SULFATE				64 MG/L		NV				82 MG/L		J			
TOTAL KJELDAHL NITROGEN										.9 MG/L		J			
TOTAL ORGANIC CARBON				3 MG/L		NV									
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										.5 MG/L		J			
INORGANICS															
ALUMINUM													.119 MG/L		-
ANTIMONY													.03 MG/L		U
ARSENIC							.003 MG/L		UJ				.0023 MG/L		J
BARIUM							.046 MG/L		J				.0579 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM							.005 MG/L		UJ				.0029 MG/L		-
CALCIUM							100 MG/L		J				104 MG/L		-
CHROMIUM							.02 MG/L		J				.0265 MG/L		-
COBALT													.01 MG/L		U
COPPER							.01 MG/L		UJ				.01 MG/L		U
IRON							.18 MG/L		J				.956 MG/L		-

SAMPLE NUMBER:	EMGW_SYSGEN_357			EMGW_SYSGEN_357			003940			003940			004115		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD							.002 MG/L		UJ				.0023 MG/L		-
MAGNESIUM							26 MG/L		J				27.6 MG/L		-
MANGANESE							.073 MG/L		J				.16 MG/L		-
MERCURY							.0002 MG/L		J				.0002 MG/L		U
MOLYBDENUM							.01 MG/L		J				.01 MG/L		U
NICKEL							.03 MG/L		UJ				.0335 MG/L		-
POTASSIUM							3.2 MG/L		J				3.31 MG/L		-
SELENIUM							.005 MG/L		UJ				.002 MG/L		UJ
SILICON													4.98 MG/L		-
SILVER							.01 MG/L		UJ				.01 MG/L		U
SODIUM							17 MG/L		J				10.6 MG/L		-
THALLIUM													.001 MG/L		U
VANADIUM													.0164 MG/L		-
ZINC													.0164 MG/L		U
RADIONUCLIDES															
URANIUM-238	3.3 PCI/L		NV							4 PCI/L	.7	-			
URANIUM, TOTAL	9.8 UG/L		NV							10 UG/L	2	-			
URANIUM-234	2.09 PCI/L		NV							2.1 PCI/L	.5	-			
THORIUM-230	.24 PCI/L		UNV							1 PCI/L		U			
RADIUM-226	1 PCI/L		UNV							1 PCI/L		U			
URANIUM-235/236	.48 PCI/L		UNV							1 PCI/L		U			
THORIUM-232	.24 PCI/L		UNV							1 PCI/L		U			
THORIUM, TOTAL	2.2 UG/L		UNV							3 UG/L		U			
RADIUM-228	3 PCI/L		UNV							3 PCI/L		UJ			
THORIUM-228	.746 PCI/L		NV							1 PCI/L		U			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA	13 PCI/L		UNV												
GROSS BETA	91 PCI/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_357			EMGW_SYSGEN_357			003940			003940			004115		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				2.2 UG/L		NV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004115			066788			066788			EMGW_SYSGEN_364			EMGW_SYSGEN_364		
TASK:	3.2.4			9.27			9.27			GWMON			GWMON		
LAB:	IT			WMCO			WMCO			IT			NET		
WELL OR BORING NUMBER:	2006			2006			2006			2006			2006		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-JUN-89			05-DEC-89			05-DEC-89			08-MAR-90			08-MAR-90		
NORTH COORDINATE:	480353.44			480353.44			480353.44			480353.44			480353.44		
EAST COORDINATE:	1380563.69			1380563.69			1380563.69			1380563.69			1380563.69		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U												
CHLORIDE	25 MG/L		-												
FLUORIDE	.22 MG/L		-												
NITRATE	.1 MG/L		R												
PHENOLS	.0122 MG/L		-												
PHOSPHORUS	.697 MG/L		-												
SULFATE	118 MG/L		-												
SULFIDE	178 MG/L		-												
TOTAL KJELDAHL NITROGEN	.497 MG/L		-												
TOTAL ORGANIC CARBON	1 MG/L		U												
TOTAL ORGANIC HALIDES	1 MG/L		U												
TOTAL ORGANIC NITROGEN	.497 MG/L		-												
INORGANICS															
LEAD				.2 MG/L		UNV	.2 MG/L		UNV				.005 MG/L		UNV
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL	5 UG/L		U												
DEMETON	.5 UG/L		U												
DIAZINON	.5 UG/L		U												
DISULFOTON	.5 UG/L		U												
ETHION	.2 UG/L		U												
MALATHION	.5 UG/L		UJ												
METHYL PARATHION	.5 UG/L		U												
PARATHION	.5 UG/L		U												

000613

6417

SAMPLE NUMBER:	004115			066788			066788			EMGW_SYSGEN_364			EMGW_SYSGEN_364		
LAB:	IT			WMCO			WMCO			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.5 UG/L		U												
AROCLOR-1016	.5 UG/L		U												
AROCLOR-1221	.5 UG/L		U												
AROCLOR-1232	.5 UG/L		U												
AROCLOR-1242	.5 UG/L		U												
AROCLOR-1248	.5 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.5 UG/L		U												
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	1 UG/L		U												
RADIONUCLIDES															
URANIUM-238	5.2 PCI/L	.8	-							.694 PCI/L		NV			
URANIUM, TOTAL	6 UG/L	1	-							2.08 UG/L		NV			
URANIUM-234	4.8 PCI/L	.8	-							.862 PCI/L		NV			
THORIUM-230	1 PCI/L		U												
RADIUM-226	1.1 PCI/L	.3	-												
URANIUM-235/236	1 PCI/L		U							.32 PCI/L		UNV			
THORIUM-232	1 PCI/L		U												
THORIUM, TOTAL	5 UG/L		U												
RADIUM-228	3 PCI/L		UJ												
THORIUM-228	1 PCI/L		U												
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		UJ												

SAMPLE NUMBER:	004115			066788			066788			EMGW_SYSGEN_364			EMGW_SYSGEN_364		
LAB:	IT			WMCO			WMCO			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
PLUTONIUM-238	1 PCI/L		UJ												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	50 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	50 UG/L		UJ												
2,4-DINITROTOLUENE	10 UG/L		U												
2,6-DINITROTOLUENE	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		UJ												
2-NITROANILINE	50 UG/L		UJ												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	20 UG/L		UJ												
3-NITROANILINE	50 UG/L		U												
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		UJ												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		UJ												
4-NITROANILINE	50 UG/L		UJ												
4-NITROPHENOL	50 UG/L		UJ												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		U												

SAMPLE NUMBER:	004115			066788			066788			EMGW_SYSGEN_364			EMGW_SYSGEN_364		
LAB:	IT			WMCO			WMCO			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZOIC ACID	50 UG/L		UJ												
BENZYL ALCOHOL	10 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		UJ												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		R												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		UJ												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		U												
DI-N-OCTYL PHTHALATE	10 UG/L		U												
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		U												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		U												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U												
HEXACHLOROETHANE	10 UG/L		UJ												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		UJ												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		R												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		UJ												
P-CHLOROANILINE	10 UG/L		U												
PENTACHLOROPHENOL	50 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U												
PYRENE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U												
1,1,2-TRICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHANE	5 UG/L		UJ												
1,1-DICHLOROETHENE	5 UG/L		U												
1,2-DICHLOROETHANE	5 UG/L		UJ												
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U												

SAMPLE NUMBER:	004115			066788			066788			EMGW_SYSGEN_364			EMGW_SYSGEN_364		
LAB:	IT			WMCO			WMCO			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE	5 UG/L		U												
2-BUTANONE	4 UG/L		J												
2-HEXANONE	10 UG/L		UJ												
4-METHYL-2-PENTANONE	10 UG/L		UJ												
ACETONE	17 UG/L		UJ												
BENZENE	5 UG/L		UJ				2.5 UG/L		UNV						
BROMODICHLOROMETHANE	5 UG/L		U												
BROMOFORM	5 UG/L		U												
BROMOMETHANE	10 UG/L		UJ												
CARBON DISULFIDE	5 UG/L		UJ												
CARBON TETRACHLORIDE	5 UG/L		U												
CHLOROBENZENE	5 UG/L		UJ												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	5 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	5 UG/L		U												
DIBROMOCHLOROMETHANE	5 UG/L		U												
ETHYLBENZENE	5 UG/L		UJ												
METHYLENE CHLORIDE	8 UG/L		UJ												
STYRENE	5 UG/L		UJ												
TETRACHLOROETHENE	5 UG/L		U												
TOLUENE	3 UG/L		J				2.5 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U												
TRICHLOROETHENE	5 UG/L		U												
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	5 UG/L		UJ				2.5 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_364	EMGW_SYSGEN_367	EMGW_SYSGEN_367	120075-1	120075-1
TASK:	GWMON	GWMON	GWMON	50.03.23	50.03.23
LAB:	NET	IT	NET	NET	NET
WELL OR BORING NUMBER:	2006	2006	2006	2006	2006
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-MAR-90	10-DEC-90	10-DEC-90	14-JUN-93	14-JUN-93
NORTH COORDINATE:	480353.44	480353.44	480353.44	480353.44	480353.44
EAST COORDINATE:	1380563.69	1380563.69	1380563.69	1380563.69	1380563.69
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE:UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							311 MG/L		NV				272 MG/L		-
AMMONIA							.02 MG/L		UNV				.02 MG/L		U
BICARBONATE ALKALINITY													354 MG/L		-
CARBONATE ALKALINITY													3 MG/L		U
CHLORIDE							21 MG/L		NV				22 MG/L		-
FLUORIDE							.14 MG/L		NV				.15 MG/L		-
NITRATE/NITRITE							.03 MG/L		NV				.02 MG/L		U
PH							5.56 SU		NV				7.22 SU		-
PHENOLS							.005 MG/L		UNV				.01 MG/L		U
PHOSPHORUS							.36 MG/L		NV				.1 MG/L		U
SPECIFIC CONDUCTIVITY							727 UMHOS/CM		NV				894 UMHOS/CM		-
SULFATE							201 MG/L		NV				235 MG/L		-
TOTAL DISSOLVED SOLIDS							622 MG/L		NV	713 MG/L		-			
TOTAL KJELDAHL NITROGEN													.1 MG/L		U
TOTAL ORGANIC CARBON							2 MG/L		NV				1 MG/L		U
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.1 MG/L		U
TOTAL SOLIDS													716 MG/L		-
INORGANICS															
ALUMINUM										.02 MG/L		U	.02 MG/L		U
ANTIMONY										.045 MG/L		U	.045 MG/L		U
ARSENIC										.003 MG/L		U	.003 MG/L		U
BARIUM										.074 MG/L		-	.0752 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_364			EMGW_SYSGEN_367			EMGW_SYSGEN_367			120075-1			120075-1		
LAB:	NET			IT			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM										.003 MG/L		U	.003 MG/L		U
CALCIUM										133 MG/L		-	134 MG/L		-
CHROMIUM										.005 MG/L		U	.005 MG/L		U
COBALT										.008 MG/L		U	.008 MG/L		U
COPPER										.003 MG/L		U	.005 MG/L		U
CYANIDE							.005 MG/L		UNV	.01 MG/L		UJ	.01 MG/L		U
IRON										2.89 MG/L		-	3.26 MG/L		-
LEAD	.006 MG/L		NV							.002 MG/L		UJ	.002 MG/L		U
MAGNESIUM										29.2 MG/L		-	29.1 MG/L		-
MANGANESE										.212 MG/L		-	.216 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.02 MG/L		U	.02 MG/L		U
POTASSIUM										2.25 MG/L		U	3.22 MG/L		U
SELENIUM										.001 MG/L		UJ	.0012 MG/L		J
SILVER										.007 MG/L		UJ	.007 MG/L		UJ
SODIUM										11.8 MG/L		-	12.4 MG/L		J
THALLIUM										.002 MG/L		U	.002 MG/L		U
VANADIUM										.003 MG/L		U	.003 MG/L		U
ZINC										.0072 MG/L		U	.0085 MG/L		U
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238				1.77 PCI/L		NV									
URANIUM, TOTAL				3.4 UG/L		NV									
URANIUM-234				1.92 PCI/L		NV									
THORIUM-230				.617 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.2 PCI/L		UNV									
THORIUM-232				.41 PCI/L		UNV									
THORIUM, TOTAL				3.7 UG/L		UNV									
RADIUM-228				200 PCI/L		UNV									
THORIUM-228				.956 PCI/L		NV									
GROSS ALPHA				10.1 PCI/L		NV									
GROSS BETA				8.97 PCI/L		NV									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_364			EMGW_SYSGEN_367			EMGW_SYSGEN_367			120075-1			120075-1		
LAB:	NET			IT			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV				10 UG/L		U
1,1,2-TRICHLOROETHANE							1 UG/L		UNV				10 UG/L		U
1,1-DICHLOROETHANE							1 UG/L		UNV				10 UG/L		U
1,1-DICHLOROETHENE							1 UG/L		UNV				10 UG/L		U
1,2-DICHLOROETHANE							1 UG/L		UNV				10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV				10 UG/L		U
1,2-DICHLOROPROPANE							1 UG/L		UNV				10 UG/L		U
2-BUTANONE							2 UG/L		UNV				10 UG/L		U
2-HEXANONE							2 UG/L		UNV				10 UG/L		U
4-METHYL-2-PENTANONE							2 UG/L		UNV				10 UG/L		U
ACETONE							2 UG/L		UNV				10 UG/L		U
BENZENE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
BROMODICHLOROMETHANE							1 UG/L		UNV				10 UG/L		U
BROMOFORM							1 UG/L		UNV				10 UG/L		U
BROMOMETHANE							1 UG/L		UNV				10 UG/L		U
CARBON DISULFIDE							1 UG/L		UNV				10 UG/L		U
CARBON TETRACHLORIDE							1 UG/L		UNV				10 UG/L		U
CHLOROBENZENE							1 UG/L		UNV				10 UG/L		U
CHLOROETHANE							1 UG/L		UNV				10 UG/L		U
CHLOROFORM							1 UG/L		UNV				10 UG/L		U
CHLOROMETHANE							1 UG/L		UNV				10 UG/L		U
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV				10 UG/L		U
DIBROMOCHLOROMETHANE							1 UG/L		UNV				10 UG/L		U
ETHYLBENZENE							1 UG/L		UNV				10 UG/L		U
METHYLENE CHLORIDE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		UJ
STYRENE							1 UG/L		UNV				10 UG/L		U
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
TOLUENE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV				10 UG/L		U
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV				10 UG/L		U
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120075			120075			120075			120075			EMGW_SYSGEN_366		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			GWMON		
LAB:	CORE			CORE			FERMCO			FERMCO			NET		
WELL OR BORING NUMBER:	2006			2006			2006			2006			2006		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	14-JUN-93			14-JUN-93			14-JUN-93			14-JUN-93			20-SEP-90		
NORTH COORDINATE:	480353.44			480353.44			480353.44			480353.44			480353.44		
EAST COORDINATE:	1380563.69			1380563.69			1380563.69			1380563.69			1380563.69		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													261 MG/L		NV
CHLORIDE													18 MG/L		NV
FLUORIDE													.24 MG/L		NV
NITRATE, AS NITROGEN													.02 MG/L		UNV
PH													7.13 SU		NV
PHENOLS													.005 MG/L		UNV
SPECIFIC CONDUCTIVITY													755 UMHOS/CM		NV
SULFATE													150 MG/L		NV
TOTAL DISSOLVED SOLIDS													540 MG/L		NV
TOTAL ORGANIC CARBON													5 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	.3 PCI/L	.3	J	.2 PCI/L	.2	UJ									
URANIUM, TOTAL	1.7 UG/L	.1	-	1.3 UG/L	.1	-	1.1 UG/L		NV	.8 UG/L		NV			
URANIUM-234	.4 PCI/L	.4	J	.7 PCI/L	.3	J									
THORIUM-230	.2 PCI/L	.2	UJ	.4 PCI/L	.3	UJ									
RADIUM-226	1 PCI/L	.5	UJ	1 PCI/L	.2	UJ									
URANIUM-235/236	.2 PCI/L	.5	UJ	.2 PCI/L	.3	UJ									
THORIUM-232	.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ									
THORIUM, TOTAL				1.824 PCI/L	.2	NV									
RADIUM-228	3 PCI/L	.8	UJ	5.3 PCI/L	1.7	-									

SAMPLE NUMBER:	120075			120075			120075			120075			EMGW_SYSGEN_366		
LAB:	CORE			CORE			FERMCO			FERMCO			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-228	.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ									
GROSS ALPHA	4.9 PCI/L	2.4	UNV	5.2 PCI/L	1.5	NV									
GROSS BETA	8.3 PCI/L	2.6	NV	9.1 PCI/L	1.7	NV									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV

SAMPLE NUMBER:	120075			120075			120075			120075			EMGW_SYSGEN_366		
LAB:	CORE			CORE			FERMCO			FERMCO			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_366D	EMGW_SYSGEN_365	EMGW_SYSGEN_365	004154	004154
TASK:	GWMON	GWMON	GWMON	3.2.4	3.2.4
LAB:	NET	IT	NET	IT	IT
WELL OR BORING NUMBER:	2006	2006	2006	2006	2006
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-SEP-90	25-JUN-90	25-JUN-90	31-JUL-89	31-JUL-89
NORTH COORDINATE:	480353.44	480353.44	480353.44	480353.44	480353.44
EAST COORDINATE:	1380563.69	1380563.69	1380563.69	1380563.69	1380563.69
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	EMGW_SYSGEN_366				
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	241 MG/L		NV												
AMMONIA													.029 MG/L		-
CHLORIDE	20 MG/L		NV				20 MG/L		NV				22 MG/L		-
FLUORIDE	.3 MG/L		NV										.14 MG/L		-
NITRATE	.02 MG/L		UNV				.02 MG/L		UNV				.1 MG/L		UJ
NITRATE, AS NITROGEN	.02 MG/L		UNV				.02 MG/L		UNV						
PH	7.17 SU		NV										.012 MG/L		-
PHENOLS	.005 MG/L		UNV										.012 MG/L		-
PHOSPHORUS													.73 MG/L		-
SPECIFIC CONDUCTIVITY	750 UMHOS/CM		NV												
SULFATE	138 MG/L		NV				105 MG/L		NV				142 MG/L		-
SULFIDE													2.32 MG/L		J
TOTAL DISSOLVED SOLIDS	560 MG/L		NV												
TOTAL KJELDAHL NITROGEN													.559 MG/L		-
TOTAL ORGANIC CARBON	3 MG/L		NV				2 MG/L		NV				.1 MG/L		U
TOTAL ORGANIC HALIDES													.033 MG/L		J
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.559 MG/L		-
INORGANICS															
ALUMINUM										.168 MG/L		-			
ARSENIC										.002 MG/L		UJ			
BARIUM										.069 MG/L		-			
CADMIUM										.005 MG/L		-			
CALCIUM										105 MG/L		-			
CHROMIUM										.033 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_366D			EMGW_SYSGEN_365			EMGW_SYSGEN_365			004154			004154		
LAB:	NET			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER										.01 MG/L		U			
IRON										2.12 MG/L		-			
LEAD							.017 MG/L		NV	.006 MG/L		-			
MAGNESIUM										25.2 MG/L		-			
MANGANESE										.17 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										2.78 MG/L		-			
SELENIUM										.002 MG/L		U			
SILICON										5.12 MG/L		-			
SILVER										.01 MG/L		U			
SODIUM										10.9 MG/L		-			
VANADIUM										.016 MG/L		-			
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				1.49 PCI/L		NV							1 PCI/L		U
URANIUM, TOTAL				4.46 UG/L		NV							1 UG/L		U
URANIUM-234				1.38 PCI/L		NV							1 PCI/L		U
THORIUM-230				2.09 PCI/L		NV							1 PCI/L		U
RADIUM-226				1 PCI/L		UNV							1 PCI/L		U
URANIUM-235/236				.36 PCI/L		UNV							1 PCI/L		U
THORIUM-232				1.2 PCI/L		UNV							1 PCI/L		U
THORIUM, TOTAL				11 UG/L		UNV							3 UG/L		U
RADIUM-228				3 PCI/L		UNV							3 PCI/L		U
THORIUM-228				1.45 PCI/L		NV							1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
GROSS ALPHA				8.1 PCI/L		UNV									
GROSS BETA				18.4 PCI/L		NV									

000526

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_366D			EMGW_SYSGEN_365			EMGW_SYSGEN_365			004154			004154		
LAB:	NET			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV						
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV						
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV						
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV						
ACETONE	2 UG/L		UNV				2 UG/L		UNV						
BENZENE	1 UG/L		UNV				1 UG/L		UNV						
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV						
BROMOMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV						
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV						
CHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV						
METHYLENE CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
STYRENE	1 UG/L		UNV				1 UG/L		UNV						
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TOLUENE	1 UG/L		UNV				1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
VINYL ACETATE	2 UG/L		UNV				2 UG/L		UNV						
VINYL CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066791	066791	066838	004112	004112
TASK:	9.27	9.27	9.27	3.2.4	3.2.4
LAB:	WMCO	WMCO	IT	IT	IT
WELL OR BORING NUMBER:	2007	2007	2007	2007	2007
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-DEC-89	06-DEC-89	06-DEC-89	07-JUN-89	07-JUN-89
NORTH COORDINATE:	480605.5	480605.5	480605.5	480605.5	480605.5
EAST COORDINATE:	1380638.55	1380638.55	1380638.55	1380638.55	1380638.55
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	F-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													.132 MG/L		NV
CHLORIDE													25.6 MG/L		NV
FLUORIDE													.265 MG/L		NV
NITRATE													.1 MG/L		UNV
PHENOLS													.227 MG/L		NV
PHOSPHORUS													1.37 MG/L		NV
SULFATE													123 MG/L		NV
SULFIDE													47.5 MG/L		NV
TOTAL KJELDAHL NITROGEN													.851 MG/L		NV
TOTAL ORGANIC CARBON													1 MG/L		UNV
TOTAL ORGANIC HALIDES													.0182 MG/L		NV
TOTAL ORGANIC NITROGEN													.719 MG/L		NV
INORGANICS															
ALUMINUM										.152 MG/L		-			
ANTIMONY										.03 MG/L		U			
ARSENIC										.002 MG/L		U			
BARIUM										.0718 MG/L		-			
BERYLLIUM										.0021 MG/L		U			
CADMIUM										.006 MG/L		-			
CALCIUM										129 MG/L		-			
CHROMIUM										.0295 MG/L		-			
COBALT										.01 MG/L		U			
COPPER										.01 MG/L		U			
CYANIDE													.05 MG/L		U
IRON										.577 MG/L		-			

SAMPLE NUMBER:	066791			066791			066838			004112			004112		
LAB:	WMCO			WMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD	.005 MG/L		UNV	.2 MG/L		UNV				.0049 MG/L		-			
MAGNESIUM										35.3 MG/L		-			
MANGANESE										.256 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			
NICKEL										.0202 MG/L		-			
POTASSIUM										2.93 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILVER										.013 MG/L		-			
SODIUM										9.68 MG/L		-			
THALLIUM										.001 MG/L		U			
VANADIUM										.0212 MG/L		-			
ZINC										.0424 MG/L		-			
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL													5 UG/L		U
DEMETON													.5 UG/L		U
DIAZINON													.5 UG/L		U
DISULFOTON													.5 UG/L		U
ETHION													.2 UG/L		U
MALATHION													.5 UG/L		U
METHYL PARATHION													.5 UG/L		U
PARATHION													.5 UG/L		U
PESTICIDES															
4,4'-DDD													.1 UG/L		U
4,4'-DDE													.1 UG/L		U
4,4'-DDT													.1 UG/L		U
ALDRIN													.05 UG/L		U
ALPHA-BHC													.05 UG/L		U
ALPHA-CHLORDANE													.5 UG/L		U
AROCLOR-1016													.5 UG/L		U
AROCLOR-1221													.5 UG/L		U
AROCLOR-1232													.5 UG/L		U
AROCLOR-1242													.5 UG/L		U
AROCLOR-1248													.5 UG/L		U
AROCLOR-1254													1 UG/L		U
AROCLOR-1260													1 UG/L		U
BETA-BHC													.05 UG/L		U
DELTA-BHC													.05 UG/L		U

SAMPLE NUMBER:	066791			066791			066838			004112			004112		
LAB:	WMCO			WMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
DIELDRIN													.1 UG/L		U
ENDOSULFAN II													.1 UG/L		U
ENDOSULFAN SULFATE													.1 UG/L		U
ENDOSULFAN-I													.05 UG/L		U
ENDRIN													.1 UG/L		U
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.05 UG/L		U
GAMMA-CHLORDANE													.5 UG/L		U
HEPTACHLOR													.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
TOXAPHENE													1 UG/L		U
RADIONUCLIDES															
URANIUM-238							1.94 PCI/L	.5	R				2 PCI/L	.5	-
URANIUM, TOTAL							6.25 UG/L	.66	R				5 UG/L	1	-
URANIUM-234							1.71 PCI/L	.47	R				1.6 PCI/L	.4	-
THORIUM-230							1 PCI/L		R				1 PCI/L		U
RADIUM-226													1.1 PCI/L	.3	J
URANIUM-235/236							1 PCI/L		R				1 PCI/L		U
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													4 UG/L		U
RADIUM-228													3 PCI/L		R
THORIUM-228							1 PCI/L		R				1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99							30 PCI/L		R				30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													50 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U

000829

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SAMPLE NUMBER:	066791			066791			066838			004112			004112		
LAB:	WMCO			WMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DIMETHYLPHENOL													10 UG/L		U
2,4-DINITROPHENOL													50 UG/L		U
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													50 UG/L		U
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													20 UG/L		U
3-NITROANILINE													50 UG/L		U
4,6-DINITRO-2-METHYLPHENOL													50 UG/L		U
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													50 UG/L		U
4-NITROPHENOL													50 UG/L		U
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		U
BENZOIC ACID													50 UG/L		U
BENZYL ALCOHOL													10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		U
BUTYL BENZYL PHTHALATE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													10 UG/L		U
DI-N-OCTYL PHTHALATE													10 UG/L		U
DIBENZO(A,H)ANTHRACENE													10 UG/L		U
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U

SAMPLE NUMBER:	066791			066791			066838			004112			004112		
LAB:	WMCO			WMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		U
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		U
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													50 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL													14 UG/L		-
PYRENE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE				2.5 UG/L		UNV							5 UG/L		U
1,1,2,2-TETRACHLOROETHANE													5 UG/L		U
1,1,2-TRICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHENE													5 UG/L		U
1,2-DICHLOROETHANE													5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													5 UG/L		U
1,2-DICHLOROPROPANE													5 UG/L		U
2-BUTANONE													2 UG/L		J
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		U
BENZENE				2.5 UG/L		UNV							5 UG/L		U
BROMODICHLOROMETHANE													5 UG/L		U
BROMOFORM													5 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													5 UG/L		U
CARBON TETRACHLORIDE													5 UG/L		U
CHLOROBENZENE													5 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													5 UG/L		U
CHLOROMETHANE													10 UG/L		U

SAMPLE NUMBER:	066791			066791			066838			004112			004112		
LAB:	WMCO			WMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CIS-1,3-DICHLOROPROPENE													5 UG/L		U
DIBROMOCHLOROMETHANE													5 UG/L		U
ETHYLBENZENE													5 UG/L		U
METHYLENE CHLORIDE				2.5 UG/L		UNV							8 UG/L		U
STYRENE													5 UG/L		U
TETRACHLOROETHENE				2.5 UG/L		UNV							5 UG/L		U
TOLUENE				2.5 UG/L		UNV							5 UG/L		U
TRANS-1,3-DICHLOROPROPENE													5 UG/L		U
TRICHLOROETHENE				2.5 UG/L		UNV							5 UG/L		U
VINYL ACETATE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL				2.5 UG/L		UNV							5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_371	EMGW_SYSGEN_371	EMGW_SYSGEN_371	EMGW_SYSGEN_375	EMGW_SYSGEN_375
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	IT	NET	NET	IT	NET
WELL OR BORING NUMBER:	2007	2007	2007	2007	2007
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-MAR-90	08-MAR-90	08-MAR-90	10-DEC-90	10-DEC-90
NORTH COORDINATE:	480605.5	480605.5	480605.5	480605.5	480605.5
EAST COORDINATE:	1380638.55	1380638.55	1380638.55	1380638.55	1380638.55
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													255 MG/L		NV
AMMONIA													.02 MG/L		UNV
CHLORIDE													28 MG/L		NV
FLUORIDE													.16 MG/L		NV
NITRATE/NITRITE													.02 MG/L		UNV
PH													6.76 SU		NV
PHENOLS													.005 MG/L		UNV
PHOSPHORUS													.28 MG/L		NV
SPECIFIC CONDUCTIVITY													583 UMHOS/CM		NV
SULFATE													76 MG/L		NV
TOTAL DISSOLVED SOLIDS													370 MG/L		NV
TOTAL ORGANIC CARBON													1 MG/L		UNV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
INORGANICS															
CYANIDE													.005 MG/L		UNV
LEAD				.005 MG/L		UNV	.054 MG/L		NV						
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	1.41 PCI/L		NV							.835 PCI/L		NV			
URANIUM, TOTAL	4.28 UG/L		NV							1.63 UG/L		NV			

000633

6412

SAMPLE NUMBER:	EMGW_SYSGEN_371			EMGW_SYSGEN_371			EMGW_SYSGEN_371			EMGW_SYSGEN_375			EMGW_SYSGEN_375		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-234	1.99 PCI/L		NV							.892 PCI/L		NV			
THORIUM-230										.51 PCI/L		NV			
RADIUM-226										1.31 PCI/L		NV			
URANIUM-235/236	.26 PCI/L		UNV							.25 PCI/L		UNV			
THORIUM-232										.33 PCI/L		UNV			
THORIUM, TOTAL										2.9 UG/L		UNV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										.85 PCI/L		NV			
GROSS ALPHA										13.1 PCI/L		NV			
GROSS BETA										10.2 PCI/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE							1 UG/L		UNV				1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_371			EMGW_SYSGEN_371			EMGW_SYSGEN_371			EMGW_SYSGEN_375			EMGW_SYSGEN_375		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
METHYLENE CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
TOLUENE							1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL							1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120076	120076	120076	120076	120076
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	CORE	FERMCO	NET	NET
WELL OR BORING NUMBER:	2007	2007	2007	2007	2007
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-JUN-93	15-JUN-93	15-JUN-93	15-JUN-93	15-JUN-93
NORTH COORDINATE:	480605.5	480605.5	480605.5	480605.5	480605.5
EAST COORDINATE:	1380638.55	1380638.55	1380638.55	1380638.55	1380638.55
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													240 MG/L		-
AMMONIA													.02 MG/L		U
BICARBONATE ALKALINITY													305 MG/L		-
CARBONATE ALKALINITY													3 MG/L		U
CHLORIDE													27 MG/L		-
FLUORIDE													.14 MG/L		U
NITRATE/NITRITE													.02 MG/L		U
PH													7.06 SU		-
PHENOLS													.01 MG/L		U
PHOSPHORUS													.1 MG/L		U
SPECIFIC CONDUCTIVITY													894 UMHOS/CM		-
SULFATE													310 MG/L		-
TOTAL DISSOLVED SOLIDS										634 MG/L		-			
TOTAL KJELDAHL NITROGEN													.17 MG/L		-
TOTAL ORGANIC CARBON													1 MG/L		U
TOTAL ORGANIC HALOGENS													.01 MG/L		U
TOTAL ORGANIC NITROGEN													.17 MG/L		-
TOTAL SOLIDS													676 MG/L		-
INORGANICS															
ALUMINUM										.0264 MG/L		U	.02 MG/L		U
ANTIMONY										.045 MG/L		U	.045 MG/L		U
ARSENIC										.002 MG/L		U	.002 MG/L		U
BARIUM										.0844 MG/L		-	.0854 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.003 MG/L		U	.003 MG/L		U

SAMPLE NUMBER:	120076			120076			120076			120076			120076		
LAB:	CORE			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM										139 MG/L		-	137 MG/L		-
CHROMIUM										.005 MG/L		U	.005 MG/L		U
COBALT										.008 MG/L		U	.008 MG/L		U
COPPER										.0054 MG/L		-	.003 MG/L		U
CYANIDE										.01 MG/L		U	.01 MG/L		UJ
IRON										2.83 MG/L		-	3.6 MG/L		-
LEAD										.001 MG/L		U	.001 MG/L		UJ
MAGNESIUM										26 MG/L		-	25.6 MG/L		-
MANGANESE										.222 MG/L		-	.218 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.02 MG/L		U	.02 MG/L		U
POTASSIUM										3.24 MG/L		-	3.06 MG/L		-
SELENIUM										.0014 MG/L		U	.0014 MG/L		U
SILVER										.007 MG/L		U	.007 MG/L		U
SODIUM										12.8 MG/L		-	12.4 MG/L		-
THALLIUM										.002 MG/L		U	.002 MG/L		U
VANADIUM										.003 MG/L		U	.003 MG/L		U
ZINC										.0232 MG/L		U	.0175 MG/L		U
RADIONUCLIDES															
URANIUM-238	.4 PCI/L	.7	-	.3 PCI/L	.7	-									
URANIUM, TOTAL	.8 UG/L	.1	-	.8 UG/L	.1	-	.8 UG/L		NV						
URANIUM-234	.3 PCI/L	.2	-	.5 PCI/L	.2	-									
THORIUM-230	.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ									
RADIUM-226	1 PCI/L	.3	U	1 PCI/L	.3	U									
URANIUM-235/236	.2 PCI/L	.5	U	.2 PCI/L	.5	U									
THORIUM-232	.2 PCI/L	.2	U	.2 PCI/L	.2	U									
THORIUM, TOTAL				.912 PCI/L	.2	NV									
RADIUM-228	3 PCI/L	1.1	U	3 PCI/L	1.1	U									
THORIUM-228	.2 PCI/L	.2	U	.2 PCI/L	.2	U									
TECHNETIUM-99	15 PCI/L	1.3	U												
GROSS ALPHA	2.7 PCI/L	1.8	UNV	2 PCI/L	1.3	UNV									
GROSS BETA	7.8 PCI/L	2.6	NV	4.3 PCI/L	1.9	NV									
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U

SAMPLE NUMBER:	120076			120076			120076			120076			120076		
LAB:	CORE			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		UJ
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		UJ
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_373			EMGW_SYSGEN_372			EMGW_SYSGEN_372			EMGW_SYSGEN_372			EMGW_SYSGEN_372D		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			IT			NET			WMCO			IT		
WELL OR BORING NUMBER:	2007			2007			2007			2007			2007		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-SEP-90			25-JUN-90			25-JUN-90			25-JUN-90			25-JUN-90		
NORTH COORDINATE:	480605.5			480605.5			480605.5			480605.5			480605.5		
EAST COORDINATE:	1380638.55			1380638.55			1380638.55			1380638.55			1380638.55		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													EMGW_SYSGEN_372		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	227 MG/L		NV												
CHLORIDE	24 MG/L		NV				23 MG/L		NV						
FLUORIDE	.34 MG/L		NV												
NITRATE, AS NITROGEN	.03 MG/L		NV				.08 MG/L		NV						
PH	7.12 SU		NV												
PHENOLS	.005 MG/L		UNV												
SPECIFIC CONDUCTIVITY	738 UMHOS/CM		NV												
SULFATE	165 MG/L		NV				64 MG/L		NV						
TOTAL DISSOLVED SOLIDS	515 MG/L		NV												
TOTAL ORGANIC CARBON	2 MG/L		NV				1 MG/L		NV						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.01 MG/L		UNV						
INORGANICS															
LEAD							.037 MG/L		NV						
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				1.29 PCI/L		NV				.5473 PCI/L		NV	7.52 PCI/L		NV
URANIUM, TOTAL				3.86 UG/L		NV				1.64 UG/L		NV	22.5 UG/L		NV
URANIUM-234				1.23 PCI/L		NV				.4098 PCI/L		NV	8.39 PCI/L		NV
THORIUM-230				1.86 PCI/L		NV							3.01 PCI/L		NV
RADIUM-226				1 PCI/L		UNV							2.57 PCI/L		NV

SAMPLE NUMBER:	EMGW_SYSGEN_373			EMGW_SYSGEN_372			EMGW_SYSGEN_372			EMGW_SYSGEN_372			EMGW_SYSGEN_372D		
LAB:	NET			IT			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-235/236				.27 PCI/L		UNV							.317 PCI/L		NV
THORIUM-232				.34 PCI/L		UNV							.55 PCI/L		UNV
THORIUM, TOTAL				3 UG/L		UNV							5 UG/L		UNV
RADIUM-228				3 PCI/L		UNV							3.5 PCI/L		UNV
THORIUM-228				2.04 PCI/L		NV							2.14 PCI/L		NV
GROSS ALPHA				13 PCI/L		UNV							19 PCI/L		UNV
GROSS BETA				21.1 PCI/L		NV							14.4 PCI/L		NV
URANIUM-235				.27 PCI/L		UNV				.0245 PCI/L		NV	.317 PCI/L		NV
URANIUM-236										.0074 PCI/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV						
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV						
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV						
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV						
ACETONE	2 UG/L		UNV				6.8 UG/L		NV						
BENZENE	1 UG/L		UNV				1 UG/L		UNV						
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV						
BROMOMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV						
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV						
CHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV						
METHYLENE CHLORIDE	1 UG/L		UNV				1.9 UG/L		NV						

SAMPLE NUMBER:	EMGW_SYSGEN_373			EMGW_SYSGEN_372			EMGW_SYSGEN_372			EMGW_SYSGEN_372			EMGW_SYSGEN_372D		
LAB:	NET			IT			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
STYRENE	1 UG/L		UNV				1 UG/L		UNV						
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TOLUENE	1 UG/L		UNV				1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
VINYL ACETATE	2 UG/L		UNV				2 UG/L		UNV						
VINYL CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_372D	EMGW_SYSGEN_374	004155	004155	066839
TASK:	GWMON	GWMON	3.2.4	3.2.4	9.27
LAB:	NET	NET	IT	IT	IT
WELL OR BORING NUMBER:	2007	2007	2007	2007	2008
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-JUN-90	29-OCT-90	31-JUL-89	31-JUL-89	05-JAN-90
NORTH COORDINATE:	480605.5	480605.5	480605.5	480605.5	480661.42
EAST COORDINATE:	1380638.55	1380638.55	1380638.55	1380638.55	1378918.03
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	EMGW_SYSGEN_372				
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.029 MG/L		-			
CHLORIDE	23 MG/L		NV							22.5 MG/L		-			
FLUORIDE										.15 MG/L		-			
NITRATE	.02 MG/L		UNV							.1 MG/L		UJ			
NITRATE, AS NITROGEN	.02 MG/L		UNV												
PHENOLS										.047 MG/L		-			
PHOSPHORUS										.63 MG/L		-			
SULFATE	156 MG/L		NV							139 MG/L		-			
SULFIDE										1.4 MG/L		J			
TOTAL KJELDAHL NITROGEN										.596 MG/L		-			
TOTAL ORGANIC CARBON	1 MG/L		UNV							.1 MG/L		U			
TOTAL ORGANIC HALIDES										.032 MG/L		J			
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN										.596 MG/L		-			
INORGANICS															
ALUMINUM							.126 MG/L		-						
ARSENIC							.002 MG/L		UJ						
BARIUM							.072 MG/L		-						
CADMIUM							.005 MG/L		-						
CALCIUM							116 MG/L		-						
CHROMIUM							.037 MG/L		-						
COPPER							.01 MG/L		U						
IRON							2.38 MG/L		-						
LEAD	.024 MG/L		NV	.018 MG/L		NV	.003 MG/L		-						
MAGNESIUM							26.4 MG/L		-						

SAMPLE NUMBER:	EMGW_SYSGEN_372D			EMGW_SYSGEN_374			004155			004155			066839		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE							.175 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.01 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							2.53 MG/L		-						
SELENIUM							.002 MG/L		U						
SILICON							4.27 MG/L		-						
SILVER							.01 MG/L		-						
SODIUM							12.4 MG/L		-						
VANADIUM							.017 MG/L		-						
RADIONUCLIDES															
URANIUM-238										1 PCI/L		U	6.63 PCI/L	1.02	-
URANIUM, TOTAL										1 UG/L		U	25.4 UG/L	4.5	J
URANIUM-234										1 PCI/L		U	5.94 PCI/L	.94	R
THORIUM-230										1 PCI/L		U	1 PCI/L		U
RADIUM-226										1 PCI/L		U			
URANIUM-235/236										1 PCI/L		U	1 PCI/L		U
THORIUM-232										1 PCI/L		U			
THORIUM, TOTAL										4 UG/L		U			
RADIUM-228										3 PCI/L		U			
THORIUM-228										1 PCI/L		U	1 PCI/L		U
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U	30 PCI/L		U
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												

000543

SAMPLE NUMBER:	EMGW_SYSGEN_372D			EMGW_SYSGEN_374			004155			004155			066839		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV	.5 UG/L		UNV									
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV	.5 UG/L		UNV									
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV	.5 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV	1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066890	EMGW_SYSGEN_382	EMGW_SYSGEN_382	EMGW_SYSGEN_382	GW930408-8
TASK:	9.27	GWMON	GWMON	GWMON	50.03.23
LAB:	IT	IT	NET	NET	CORE
WELL OR BORING NUMBER:	2008	2008	2008	2008	2008
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-JAN-90	07-FEB-91	07-FEB-91	07-FEB-91	08-APR-93
NORTH COORDINATE:	480661.42	480661.42	480661.42	480661.42	480661.42
EAST COORDINATE:	1378918.03	1378918.03	1378918.03	1378918.03	1378918.03
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	066839				
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										223 MG/L		NV			
AMMONIA										.03 MG/L		NV			
CHLORIDE										27 MG/L		NV			
FLUORIDE										.25 MG/L		NV			
NITRATE, AS NITROGEN										2.08 MG/L		NV			
PH										7.37 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										.48 MG/L		NV			
SPECIFIC CONDUCTIVITY										658 UMHOS/CM		NV			
SULFATE										120 MG/L		NV			
TOTAL DISSOLVED SOLIDS										418 MG/L		NV			
TOTAL ORGANIC CARBON										14 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ALUMINUM							.5 MG/L		UNV	1.93 MG/L		NV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.0025 MG/L		UNV	.007 MG/L		NV			
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM							85.7 MG/L		NV	131 MG/L		NV			
CHROMIUM										.059 MG/L		NV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.025 MG/L		UNV			
CYANIDE										.005 MG/L		UNV			

SAMPLE NUMBER:	066890			EMGW_SYSGEN_382			EMGW_SYSGEN_382			EMGW_SYSGEN_382			GW930408-8		
LAB:	IT			IT			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON							.05 MG/L		UNV	9.42 MG/L		NV			
LEAD							.005 MG/L		UNV	.008 MG/L		NV			
MAGNESIUM							21.8 MG/L		NV	35.9 MG/L		NV			
MANGANESE							.02 MG/L		UNV	1.41 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV			
NICKEL							.012 MG/L		NV	.066 MG/L		NV			
POTASSIUM							3.04 MG/L		NV	3.76 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							15.7 MG/L		NV	16.4 MG/L		NV			
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.02 MG/L		UNV	.038 MG/L		NV			
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	6.46 PCI/L	1.06	-	5.33 PCI/L		NV							5.2 PCI/L	.7	J
URANIUM, TOTAL	23.5 UG/L	3.9	J	13.3 UG/L		NV							19.4 UG/L	1.4	-
URANIUM-234	5.53 PCI/L	.95	R	5.08 PCI/L		NV							4.3 PCI/L	.6	J
THORIUM-230	1.95 PCI/L	.91	J	.814 PCI/L		NV							.3 PCI/L	.2	U
RADIUM-226				1 PCI/L		UNV							.6 PCI/L	.4	R
URANIUM-235/236	1 PCI/L		U	.455 PCI/L		NV							.2 PCI/L	.1	UJ
THORIUM-232				.33 PCI/L		UNV							.2 PCI/L	.1	U
THORIUM, TOTAL				3 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV							3 PCI/L	1	U
THORIUM-228	1 PCI/L		U	1.43 PCI/L		NV							.3 PCI/L	.2	-
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
TECHNETIUM-99	30 PCI/L		U	15 PCI/L		UNV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				6.1 PCI/L		UNV									
GROSS ALPHA				31.2 PCI/L		NV							9.9 PCI/L	2	NV
GROSS BETA				22.8 PCI/L		NV							13 PCI/L	1.7	NV
SEMIVOLATILES															

SAMPLE NUMBER:	066890	EMGW_SYSGEN_382	EMGW_SYSGEN_382	EMGW_SYSGEN_382	GW930408-8
LAB:	IT	IT	NET	NET	CORE
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

000647
6417

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930408-8	GW930408-8	GW930408-8	003417	003417
TASK:	50.03.23	50.03.23	50.03.23	3.2.4	3.2.4
LAB:	CORE	LOCKHEED	LOCKHEED	IT	IT/RSL
WELL OR BORING NUMBER:	2008	2008	2008	2008	2008
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-APR-93	08-APR-93	08-APR-93	09-AUG-88	09-AUG-88
NORTH COORDINATE:	480661.42	480661.42	480661.42	480661.42	480661.42
EAST COORDINATE:	1378918.03	1378918.03	1378918.03	1378918.03	1378918.03
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							280 MG/L		-						
AMMONIA							.077 MG/L		U						
BICARBONATE ALKALINITY							280 MG/L		-						
CARBONATE ALKALINITY							30 MG/L		U						
CHLORIDE							31 MG/L		-						
FLUORIDE							.2 MG/L		-						
NITRATE/NITRITE							1.6 MG/L		-						
PH							7.7 SU		-						
PHENOLS							.15 MG/L		U						
PHOSPHORUS							.03 MG/L		U						
SPECIFIC CONDUCTIVITY							660 UMHOS/CM		-						
SULFATE							77 MG/L		-						
TOTAL DISSOLVED SOLIDS				420 MG/L		-									
TOTAL ORGANIC CARBON							1 MG/L		U						
TOTAL ORGANIC HALIDES							.045 MG/L		U						
TOTAL ORGANIC NITROGEN							-.077 MG/L		U						
TOTAL SOLIDS							430 MG/L		-						
INORGANICS															
ALUMINUM				.036 MG/L		U	.036 MG/L		U				.2 MG/L		U
ANTIMONY				.031 MG/L		U	.031 MG/L		U				.06 MG/L		U
ARSENIC				.002 MG/L		U	.002 MG/L		U				.01 MG/L		U
BARIUM				.0464 MG/L		-	.0452 MG/L		-				.2 MG/L		U
BERYLLIUM				.001 MG/L		U	.001 MG/L		U				.005 MG/L		U
CADMIUM				.002 MG/L		U	.0022 MG/L		-				.005 MG/L		U
CALCIUM				102 MG/L		-	102 MG/L		-				92 MG/L		-

SAMPLE NUMBER:	GW930408-8			GW930408-8			GW930408-8			003417			003417		
LAB:	CORE			LOCKHEED			LOCKHEED			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM				.003 MG/L		U	.003 MG/L		U				.01 MG/L		U
COBALT				.008 MG/L		U	.008 MG/L		U				.05 MG/L		U
COPPER				.004 MG/L		U	.004 MG/L		U				.03 MG/L		U
CYANIDE				.00002 MG/L		U	.00002 MG/L		U						
IRON				.012 MG/L		U	.0183 MG/L		U				.1 MG/L		U
LEAD				.001 MG/L		U	.001 MG/L		U				.005 MG/L		U
MAGNESIUM				25.8 MG/L		-	25.1 MG/L		-				24 MG/L		-
MANGANESE				.0038 MG/L		U	.0055 MG/L		U				.02 MG/L		U
MERCURY				.0002 MG/L		U	.0002 MG/L		U				.0003 MG/L		U
MOLYBDENUM				.015 MG/L		U	.015 MG/L		U				.05 MG/L		U
NICKEL				.031 MG/L		U	.031 MG/L		U				.04 MG/L		U
POTASSIUM				3.33 MG/L		-	3.18 MG/L		-				5 MG/L		U
SELENIUM				.001 MG/L		UJ	.001 MG/L		UJ				.005 MG/L		U
SILVER				.003 MG/L		U	.003 MG/L		U				.01 MG/L		U
SODIUM				17.2 MG/L		-	16.8 MG/L		-				16 MG/L		-
THALLIUM				.002 MG/L		U	.002 MG/L		U				.5 MG/L		U
VANADIUM				.007 MG/L		U	.007 MG/L		U				.05 MG/L		U
ZINC				.002 MG/L		U	.0081 MG/L		U				.05 MG/L		-
RADIONUCLIDES															
URANIUM-238	5 PCI/L	.6	J							6.8 PCI/L	1	-			
URANIUM, TOTAL	18.1 UG/L	1.3	-							16 UG/L	3	-			
URANIUM-234	4.7 PCI/L	.6	J							6.5 PCI/L	.9	-			
THORIUM-230	.3 PCI/L	.1	UJ							1 PCI/L		U			
RADIUM-226	1 PCI/L	.3	UJ							1 PCI/L		UJ			
URANIUM-235/236	.2 PCI/L	.2	UJ							1 PCI/L		U			
THORIUM-232	.4 PCI/L	.1	UJ							1 PCI/L		U			
THORIUM, TOTAL										2 UG/L		U			
RADIUM-228	3 PCI/L	.9	U							3 PCI/L		U			
THORIUM-228	.2 PCI/L	.1	UJ							1 PCI/L		U			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA	6.4 PCI/L	2	NV												
GROSS BETA	11.9 PCI/L	2.1	NV												

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VOLATILES

1,1,1-TRICHLOROETHANE 10 UG/L U

SAMPLE NUMBER:	GW930408-8	GW930408-8	GW930408-8	003417	003417
LAB:	CORE	LOCKHEED	LOCKHEED	IT	IT/RSL
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		U						
BENZENE							10 UG/L		UJ						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		UJ						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		UJ						
CHLOROETHANE							10 UG/L		UJ						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		UJ						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		UJ						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		UJ						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003417	EMGW_SYSGEN_381	EMGW_SYSGEN_381	EMGW_SYSGEN_381	EMGW_SYSGEN_380
TASK:	3.2.4	GWMON	GWMON	GWMON	GWMON
LAB:	IT/RSL	IT	NET	NET	IT
WELL OR BORING NUMBER:	2008	2008	2008	2008	2008
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-AUG-88	11-NOV-90	11-NOV-90	11-NOV-90	13-AUG-90
NORTH COORDINATE:	480661.42	480661.42	480661.42	480661.42	480661.42
EAST COORDINATE:	1378918.03	1378918.03	1378918.03	1378918.03	1378918.03
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										202 MG/L		NV			
AMMONIA	.3 MG/L		U							.02 MG/L		UNV			
CHLORIDE	32 MG/L		-							25 MG/L		NV			
FLUORIDE	1.3 MG/L		-							.23 MG/L		NV			
NITRATE	2.3 MG/L		J							2.87 MG/L		NV			
NITRATE/NITRITE										2.87 MG/L		NV			
PH	50 UG/L		-							6.78 SU		NV			
PHENOLS	.05 MG/L		U							.005 MG/L		UNV			
PHOSPHORUS										.17 MG/L		NV			
SPECIFIC CONDUCTIVITY										663 UMHOS/CM		NV			
SULFATE	62 MG/L		J							98 MG/L		NV			
TOTAL DISSOLVED SOLIDS										578 MG/L		NV			
TOTAL KJELDAHL NITROGEN	15 MG/L		U												
TOTAL ORGANIC CARBON										4 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	.3 MG/L		U												
INORGANICS															
ALUMINUM							.5 MG/L		UNV	1.72 MG/L		NV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.0025 MG/L		UNV	.007 MG/L		NV			
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM							15.2 MG/L		NV	96.1 MG/L		NV			
CHROMIUM										.005 MG/L		UNV			

SAMPLE NUMBER:	003417			EMGW_SYSGEN_381			EMGW_SYSGEN_381			EMGW_SYSGEN_381			EMGW_SYSGEN_380		
LAB:	IT/RSL			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.025 MG/L		UNV			
CYANIDE										.005 MG/L		UNV			
IRON							.05 MG/L		UNV	.812 MG/L		NV			
LEAD							.005 MG/L		UNV	.019 MG/L		NV			
MAGNESIUM							6.6 MG/L		NV	41.4 MG/L		NV			
MANGANESE							.02 MG/L		UNV	1.04 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV			
NICKEL							.005 MG/L		UNV	.059 MG/L		NV			
POTASSIUM							2.97 MG/L		NV	3.63 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							19.8 MG/L		NV	15.2 MG/L		NV			
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.02 MG/L		UNV	.053 MG/L		NV			
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				5.63 PCI/L		NV							7.05 PCI/L		NV
URANIUM, TOTAL				14 UG/L		NV							16.8 UG/L		NV
URANIUM-234				5.24 PCI/L		NV							6.67 PCI/L		NV
THORIUM-230				.462 PCI/L		NV							.893 PCI/L		NV
RADIUM-226				1 PCI/L		UNV							1 PCI/L		UNV
URANIUM-235/236				.632 PCI/L		NV							.477 PCI/L		NV
THORIUM-232				.2 PCI/L		UNV							.23 PCI/L		UNV
THORIUM, TOTAL				1.8 UG/L		UNV							2 UG/L		UNV
RADIUM-228				3 PCI/L		UNV							3 PCI/L		UNV
THORIUM-228				.2 PCI/L		UNV							.32 PCI/L		NV
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
TECHNETIUM-99				25 PCI/L		UNV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				7.2 PCI/L		UNV									
GROSS ALPHA				33.8 PCI/L		NV									
GROSS BETA				36.8 PCI/L		NV									

SAMPLE NUMBER:	003417			EMGW_SYSGEN_381			EMGW_SYSGEN_381			EMGW_SYSGEN_381			EMGW_SYSGEN_380		
LAB:	IT/RSL			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
PHENOL	50 UG/L		-							.005 MG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

000653

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_380	EMGW_SYSGEN_380	003193	003193	003194
TASK:	GWMON	GWMON	3.2.4	3.2.4	3.2.4
LAB:	NET	NET	IT	IT	IT
WELL OR BORING NUMBER:	2008	2008	2008	2008	2008
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-AUG-90	13-AUG-90	17-MAY-88	17-MAY-88	17-MAY-88
NORTH COORDINATE:	480661.42	480661.42	480661.42	480661.42	480661.42
EAST COORDINATE:	1378918.03	1378918.03	1378918.03	1378918.03	1378918.03
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					003193
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.09 MG/L		-			
CHLORIDE				28 MG/L		NV				31 MG/L		-			
FLUORIDE				.29 MG/L		NV				.3 MG/L		-			
HEXAVALENT CHROMIUM										.02 MG/L		R			
NITRATE				1.95 MG/L		NV				.62 MG/L		J			
NITRATE, AS NITROGEN				1.95 MG/L		NV									
PHENOLS				.005 MG/L		UNV				.013 MG/L		J			
PHOSPHATE										.02 MG/L		J			
SULFATE				121 MG/L		NV				59 MG/L		J			
TOTAL KJELDAHL NITROGEN										.00058 MG/L		J			
TOTAL ORGANIC CARBON				3 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM	.5 MG/L		UNV	2.37 MG/L		NV	.228 MG/L		NV				.1 MG/L		UNV
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV
ARSENIC	.0025 MG/L		UNV	.005 MG/L		NV	.005 MG/L		UNV				.005 MG/L		UNV
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV	.0417 MG/L		NV				.0401 MG/L		NV
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV
CALCIUM	88.8 MG/L		NV	123 MG/L		NV	96.3 MG/L		NV				85.3 MG/L		NV
CHROMIUM				.117 MG/L		NV	.01 MG/L		UNV				.01 MG/L		UNV
COBALT	.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV
COPPER	.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV
CYANIDE										.01 MG/L		U			
IRON	.05 MG/L		UNV	5 MG/L		NV	1.12 MG/L		NV				.135 MG/L		NV

SAMPLE NUMBER:	EMGW_SYSGEN_380			EMGW_SYSGEN_380			003193			003193			003194		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV
MAGNESIUM	21.2 MG/L		NV	31.6 MG/L		NV	27.3 MG/L		NV				23.8 MG/L		NV
MANGANESE	.02 MG/L		UNV	.815 MG/L		NV	.105 MG/L		NV				.0414 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UNV
MOLYBDENUM	.025 MG/L		UNV	.025 MG/L		UNV	.04 MG/L		NV				.01 MG/L		UNV
NICKEL	.005 MG/L		UNV	.035 MG/L		NV	.03 MG/L		NV				.03 MG/L		UNV
POTASSIUM	3 MG/L		NV	3.86 MG/L		NV	3.39 MG/L		NV				3.12 MG/L		NV
SELENIUM	.0025 MG/L		UNV	.0025 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV
SODIUM	17.3 MG/L		NV	16.3 MG/L		NV	17.2 MG/L		NV				15.5 MG/L		NV
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV
ZINC	.025 MG/L		NV	.027 MG/L		NV	.0317 MG/L		NV				.0162 MG/L		NV
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL										5 UG/L		UNV			
DEMETON										1 UG/L		UNV			
DIAZINON										.5 UG/L		UNV			
DISULFOTON										.5 UG/L		UNV			
ETHION										.2 UG/L		UNV			
MALATHION										1 UG/L		UNV			
METHYL PARATHION										1 UG/L		UNV			
PARATHION										.5 UG/L		UNV			
PESTICIDES															
4,4'-DDD										.1 UG/L		UNV			
4,4'-DDE										.1 UG/L		UNV			
4,4'-DDT										.1 UG/L		UNV			
ALDRIN										.05 UG/L		UNV			
ALPHA-BHC										.05 UG/L		UNV			
ALPHA-CHLORDANE										.5 UG/L		UNV			
AROCLOR-1016										.5 UG/L		UNV			
AROCLOR-1221										.5 UG/L		UNV			
AROCLOR-1232										.5 UG/L		UNV			
AROCLOR-1242										.5 UG/L		UNV			
AROCLOR-1248										.5 UG/L		UNV			
AROCLOR-1254										1 UG/L		UNV			
AROCLOR-1260										1 UG/L		UNV			
BETA-BHC										.05 UG/L		UNV			
DELTA-BHC										.05 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_380			EMGW_SYSGEN_380			003193			003193			003194		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
DIELDRIN										.1 UG/L		UNV			
ENDOSULFAN II										.1 UG/L		UNV			
ENDOSULFAN SULFATE										.1 UG/L		UNV			
ENDOSULFAN-I										.05 UG/L		UNV			
ENDRIN										.1 UG/L		UNV			
ENDRIN KETONE										.1 UG/L		UNV			
GAMMA-BHC (LINDANE)										.05 UG/L		UNV			
GAMMA-CHLORDANE										.5 UG/L		UNV			
HEPTACHLOR										.05 UG/L		UNV			
HEPTACHLOR EPOXIDE										.05 UG/L		UNV			
METHOXYCHLOR										.5 UG/L		UNV			
TOXAPHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238										4.9 PCI/L	.7	-			
URANIUM, TOTAL										22 UG/L	5	-			
URANIUM-234										4.1 PCI/L	.7	-			
THORIUM-230										1.9 PCI/L	.7	-			
RADIUM-226										1 PCI/L		U			
URANIUM-235/236										1 PCI/L		U			
THORIUM-232										1 PCI/L		U			
RADIUM-228										3 PCI/L		R			
THORIUM-228										1 PCI/L	.5	-			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		UNV			
1,2-DICHLOROBENZENE										10 UG/L		UNV			
1,3-DICHLOROBENZENE										10 UG/L		UNV			
1,4-DICHLOROBENZENE										10 UG/L		UNV			
2,4,5-TRICHLOROPHENOL										50 UG/L		UNV			
2,4,6-TRICHLOROPHENOL										10 UG/L		UNV			
2,4-DICHLOROPHENOL										10 UG/L		UNV			
2,4-DIMETHYLPHENOL										10 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_380			EMGW_SYSGEN_380			003193			003193			003194		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DINITROPHENOL										50 UG/L		UNV			
2,4-DINITROTOLUENE										10 UG/L		UNV			
2,6-DINITROTOLUENE										10 UG/L		UNV			
2-CHLORONAPHTHALENE										10 UG/L		UNV			
2-CHLOROPHENOL										10 UG/L		UNV			
2-METHYLNAPHTHALENE										10 UG/L		UNV			
2-METHYLPHENOL										10 UG/L		UNV			
2-NITROANILINE										50 UG/L		UNV			
2-NITROPHENOL										10 UG/L		UNV			
3,3'-DICHLOROBENZIDINE										20 UG/L		UNV			
3-NITROANILINE										50 UG/L		UNV			
4,6-DINITRO-2-METHYLPHENOL										50 UG/L		UNV			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		UNV			
4-CHLORO-3-METHYLPHENOL										10 UG/L		UNV			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		UNV			
4-METHYLPHENOL										10 UG/L		UNV			
4-NITROANILINE										50 UG/L		UNV			
4-NITROPHENOL										50 UG/L		UNV			
ACENAPHTHENE										10 UG/L		UNV			
ACENAPHTHYLENE										10 UG/L		UNV			
ANTHRACENE										10 UG/L		UNV			
BENZO(A)ANTHRACENE										10 UG/L		UNV			
BENZO(A)PYRENE										10 UG/L		UNV			
BENZO(B)FLUORANTHENE										10 UG/L		UNV			
BENZO(G,H,I)PERYLENE										10 UG/L		UNV			
BENZO(K)FLUORANTHENE										10 UG/L		UNV			
BENZOIC ACID										50 UG/L		UNV			
BENZYL ALCOHOL										10 UG/L		UNV			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		UNV			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		UNV			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		UNV			
BIS(2-ETHYLHEXYL)PHTHALATE										50 UG/L		NV			
BUTYL BENZYL PHTHALATE										10 UG/L		UNV			
CHRYSENE										10 UG/L		UNV			
DI-N-BUTYL PHTHALATE										4 UG/L		NV			
DI-N-OCTYL PHTHALATE										10 UG/L		UNV			
DIBENZO(A,H)ANTHRACENE										10 UG/L		UNV			
DIBENZOFURAN										10 UG/L		UNV			
DIETHYL PHTHALATE										10 UG/L		UNV			
DIMETHYL PHTHALATE										10 UG/L		UNV			
FLUORANTHENE										10 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_380			EMGW_SYSGEN_380			003193			003193			003194		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORENE										10 UG/L		UNV			
HEXACHLOROBENZENE										10 UG/L		UNV			
HEXACHLOROBUTADIENE										10 UG/L		UNV			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		UNV			
HEXACHLOROETHANE										10 UG/L		UNV			
INDENO(1,2,3-CD)PYRENE										10 UG/L		UNV			
ISOPHORONE										10 UG/L		UNV			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		UNV			
N-NITROSODIPHENYLAMINE										10 UG/L		UNV			
NAPHTHALENE										10 UG/L		UNV			
NITROBENZENE										10 UG/L		UNV			
P-CHLOROANILINE										10 UG/L		UNV			
PENTACHLOROPHENOL										50 UG/L		UNV			
PHENANTHRENE										10 UG/L		UNV			
PHENOL				.005 MG/L		UNV				10 UG/L		UNV			
PYRENE										10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV				5 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV				5 UG/L		UNV			
1,1,2-TRICHLOROETHANE				1 UG/L		UNV				5 UG/L		UNV			
1,1-DICHLOROETHANE				1 UG/L		UNV				5 UG/L		UNV			
1,1-DICHLOROETHENE				1 UG/L		UNV				5 UG/L		UNV			
1,2-DICHLOROETHANE				1 UG/L		UNV				5 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV				5 UG/L		UNV			
1,2-DICHLOROPROPANE				1 UG/L		UNV				5 UG/L		UNV			
2-BUTANONE				2 UG/L		UNV				10 UG/L		UNV			
2-HEXANONE				2 UG/L		UNV				10 UG/L		UNV			
4-METHYL-2-PENTANONE				2 UG/L		UNV				10 UG/L		UNV			
ACETONE				2 UG/L		UNV				10 UG/L		UNV			
BENZENE				1 UG/L		UNV				5 UG/L		UNV			
BROMODICHLOROMETHANE				1 UG/L		UNV				5 UG/L		UNV			
BROMOFORM				1 UG/L		UNV				5 UG/L		UNV			
BROMOMETHANE				1 UG/L		UNV				10 UG/L		UNV			
CARBON DISULFIDE				1 UG/L		UNV				5 UG/L		UNV			
CARBON TETRACHLORIDE				1 UG/L		UNV				5 UG/L		UNV			
CHLOROBENZENE				1 UG/L		UNV				5 UG/L		UNV			
CHLOROETHANE										10 UG/L		UNV			
CHLOROFORM				1 UG/L		UNV				5 UG/L		UNV			
CHLOROMETHANE				1 UG/L		UNV				10 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV				5 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_380			EMGW_SYSGEN_380			003193			003193			003194		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
DIBROMOCHLOROMETHANE				1 UG/L		UNV				5 UG/L		UNV			
ETHYLBENZENE				1 UG/L		UNV				5 UG/L		UNV			
METHYLENE CHLORIDE				1 UG/L		UNV				6 UG/L		NV			
STYRENE				1 UG/L		UNV				5 UG/L		UNV			
TETRACHLOROETHENE				1 UG/L		UNV				5 UG/L		UNV			
TOLUENE				1 UG/L		UNV				5 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV				5 UG/L		UNV			
TRICHLOROETHENE				1 UG/L		UNV				5 UG/L		UNV			
VINYL ACETATE				2 UG/L		UNV				10 UG/L		UNV			
VINYL CHLORIDE				1 UG/L		UNV				10 UG/L		UNV			
XYLENES, TOTAL				1 UG/L		UNV				5 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003194	GW930119-2	GW930119-2	GW930119-2	GW930119-2
TASK:	3.2.4	RCRA	RCRA	RCRA	RCRA
LAB:	IT	CORE	FERMCO Laboratory	NET	NET
WELL OR BORING NUMBER:	2008	2008	2008	2008	2008
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-MAY-88	19-JAN-93	19-JAN-93	19-JAN-93	19-JAN-93
NORTH COORDINATE:	480661.42	480661.42	480661.42	480661.42	480661.42
EAST COORDINATE:	1378918.03	1378918.03	1378918.03	1378918.03	1378918.03
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	003193				
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													225 MG/L		NV
ALLYL CHLORIDE													5 UG/L		UNV
AMMONIA	.11 MG/L		-										.02 MG/L		UNV
BICARBONATE ALKALINITY													256 MG/L		NV
CARBONATE ALKALINITY													3 MG/L		UNV
CHLORIDE	29 MG/L		-										34 MG/L		NV
FLUORIDE	.3 MG/L		-										.23 MG/L		NV
HEXAVALENT CHROMIUM	.02 MG/L		R												
NITRATE	.58 MG/L		J										1.79 MG/L		NV
NITRITE, AS NITROGEN													.02 MG/L		UNV
PH	10 UG/L		UNV										7.44 SU		NV
PHENOLS	.016 MG/L		J										.005 MG/L		UNV
PHOSPHATE	.02 MG/L		J												
PHOSPHORUS													.1 MG/L		UNV
SPECIFIC CONDUCTIVITY													718 UMHOS/CM		NV
SULFATE	57 MG/L		J										74 MG/L		NV
TOTAL DISSOLVED SOLIDS										398 MG/L		NV			
TOTAL KJELDAHL NITROGEN	.00025 MG/L		J												
TOTAL ORGANIC CARBON													4 MG/L		NV
TOTAL ORGANIC HALIDES													.01 MG/L		UNV
TOTAL SOLIDS													375 MG/L		NV
INORGANICS															
ALUMINUM										.2 MG/L		UNV	.2 MG/L		UNV
ANTIMONY										.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC										.005 MG/L		UNV	.005 MG/L		UNV

SAMPLE NUMBER:	003194			GW930119-2			GW930119-2			GW930119-2			GW930119-2		
LAB:	IT			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BARIUM										.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM										.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM										.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM										88 MG/L		UNV	84 MG/L		UNV
CHROMIUM										.002 MG/L		UNV	.0032 MG/L		NV
COBALT										.005 MG/L		UNV	.005 MG/L		UNV
COPPER										.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE	.01 MG/L		U										.005 MG/L		UNV
IRON										.1 MG/L		UNV	.1 MG/L		UNV
LEAD										.003 MG/L		UNV	.003 MG/L		UNV
MAGNESIUM										23.4 MG/L		NV	23.2 MG/L		NV
MANGANESE										.015 MG/L		UNV	.015 MG/L		UNV
MERCURY										.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM										.01 MG/L		UNV	.01 MG/L		UNV
NICKEL										.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM													3.2 MG/L		NV
SELENIUM										.005 MG/L		UNV	.005 MG/L		UNV
SILVER										.001 MG/L		UNV	.001 MG/L		UNV
SODIUM													17 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM										.05 MG/L		UNV	.05 MG/L		UNV
ZINC										.02 MG/L		UNV	.02 MG/L		UNV
MISC															
1,2,3-TRICHLOROPROPANE													5 UG/L		UNV
1,2-DIBROMO-3-CHLOROPROPANE													2 UG/L		UNV
1,2-DIBROMOETHANE													2 UG/L		UNV
2-CHLORO-1,3-BUTADIENE													5 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACRYLONITRILE													50 UG/L		UNV
DICHLORODIFLUOROMETHANE													10 UG/L		UNV
ETHYL CYANIDE													20 UG/L		UNV
ETHYL METHACRYLATE													5 UG/L		UNV
IODOMETHANE													5 UG/L		UNV
METHACRYLONITRILE													5 UG/L		UNV
METHYL METHACRYLATE													5 UG/L		UNV
PENTACHLOROETHANE													5 UG/L		UNV
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV

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SAMPLE NUMBER:	003194			GW930119-2			GW930119-2			GW930119-2			GW930119-2		
LAB:	IT			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
TRANS-1,4-DICHLORO-2-BUTENE													20 UG/L		UNV
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL	5 UG/L		UNV												
DEMETON	1 UG/L		UNV												
DIAZINON	.5 UG/L		UNV												
DISULFOTON	.5 UG/L		UNV												
ETHION	.2 UG/L		UNV												
MALATHION	1 UG/L		UNV												
METHYL PARATHION	1 UG/L		UNV												
PARATHION	.5 UG/L		UNV												
PESTICIDES															
4,4'-DDD	.1 UG/L		UNV												
4,4'-DDE	.1 UG/L		UNV												
4,4'-DDT	.1 UG/L		UNV												
ALDRIN	.05 UG/L		UNV												
ALPHA-BHC	.05 UG/L		UNV												
ALPHA-CHLORDANE	.5 UG/L		UNV												
AROCLOR-1016	.5 UG/L		UNV												
AROCLOR-1221	.5 UG/L		UNV												
AROCLOR-1232	.5 UG/L		UNV												
AROCLOR-1242	.5 UG/L		UNV												
AROCLOR-1248	.5 UG/L		UNV												
AROCLOR-1254	1 UG/L		UNV												
AROCLOR-1260	1 UG/L		UNV												
BETA-BHC	.05 UG/L		UNV												
DELTA-BHC	.05 UG/L		UNV												
DIELDRIN	.1 UG/L		UNV												
ENDOSULFAN II	.1 UG/L		UNV												
ENDOSULFAN SULFATE	.1 UG/L		UNV												
ENDOSULFAN-I	.05 UG/L		UNV												
ENDRIN	.1 UG/L		UNV												
ENDRIN KETONE	.1 UG/L		UNV												
GAMMA-BHC (LINDANE)	.05 UG/L		UNV												
GAMMA-CHLORDANE	.5 UG/L		UNV												
HEPTACHLOR	.05 UG/L		UNV												
HEPTACHLOR EPOXIDE	.05 UG/L		UNV												
METHOXYCHLOR	.5 UG/L		UNV												
TOXAPHENE	1 UG/L		UNV												

SAMPLE NUMBER:	003194			GW930119-2			GW930119-2			GW930119-2			GW930119-2		
LAB:	IT			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238	5.1 PCI/L	.7	-												
URANIUM, TOTAL	20 UG/L	6	-	18.7 UG/L		NV	15 UG/L		NV						
URANIUM-234	4.8 PCI/L	.7	-												
THORIUM-230	1 PCI/L	.4	-	.2 PCI/L	.2	UNV									
RADIUM-226	1.3 PCI/L	.4	-	1 PCI/L	.3	UNV									
URANIUM-235/236	1 PCI/L		U												
THORIUM-232	1 PCI/L		U	.2 PCI/L	.2	UNV									
THORIUM, TOTAL				1.9 UG/L		NV									
RADIUM-228	3 PCI/L		R	3 PCI/L	1.2	UNV									
THORIUM-228	1 PCI/L		U	.3 PCI/L	.2	NV									
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		U												
PLUTONIUM-238	1 PCI/L		U												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA				4.2 PCI/L	1.8	NV									
GROSS BETA				8 PCI/L	1.9	NV									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		UNV												
1,2-DICHLOROBENZENE	10 UG/L		UNV												
1,3-DICHLOROBENZENE	10 UG/L		UNV												
1,4-DICHLOROBENZENE	10 UG/L		UNV												
2,4,5-TRICHLOROPHENOL	50 UG/L		UNV												
2,4,6-TRICHLOROPHENOL	10 UG/L		UNV												
2,4-DICHLOROPHENOL	10 UG/L		UNV												
2,4-DIMETHYLPHENOL	10 UG/L		UNV												
2,4-DINITROPHENOL	50 UG/L		UNV												
2,4-DINITROTOLUENE	10 UG/L		UNV												
2,6-DINITROTOLUENE	10 UG/L		UNV												
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
2-CHLORONAPHTHALENE	10 UG/L		UNV												
2-CHLOROPHENOL	10 UG/L		UNV												
2-METHYLNAPHTHALENE	10 UG/L		UNV												
2-METHYLPHENOL	10 UG/L		UNV												
2-NITROANILINE	50 UG/L		UNV												
2-NITROPHENOL	10 UG/L		UNV												
3,3'-DICHLOROBENZIDINE	20 UG/L		UNV												
3-NITROANILINE	50 UG/L		UNV												

SAMPLE NUMBER:	003194			GW930119-2			GW930119-2			GW930119-2			GW930119-2		
LAB:	IT			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		UNV												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		UNV												
4-CHLORO-3-METHYLPHENOL	10 UG/L		UNV												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		UNV												
4-METHYLPHENOL	10 UG/L		UNV												
4-NITROANILINE	50 UG/L		UNV												
4-NITROPHENOL	50 UG/L		UNV												
ACENAPHTHENE	10 UG/L		UNV												
ACENAPHTHYLENE	10 UG/L		UNV												
ANTHRACENE	10 UG/L		UNV												
BENZO(A)ANTHRACENE	10 UG/L		UNV												
BENZO(A)PYRENE	10 UG/L		UNV												
BENZO(B)FLUORANTHENE	10 UG/L		UNV												
BENZO(G,H,I)PERYLENE	10 UG/L		UNV												
BENZO(K)FLUORANTHENE	10 UG/L		UNV												
BENZOIC ACID	50 UG/L		UNV												
BENZYL ALCOHOL	10 UG/L		UNV												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		UNV												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		UNV												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UNV												
BIS(2-ETHYLHEXYL)PHTHALATE	41 UG/L		NV												
BUTYL BENZYL PHTHALATE	10 UG/L		UNV												
CHRYSENE	10 UG/L		UNV												
CUMENE													1 UG/L		UNV
DI-N-BUTYL PHTHALATE	8 UG/L		NV												
DI-N-OCTYL PHTHALATE	10 UG/L		UNV												
DIBENZO(A,H)ANTHRACENE	10 UG/L		UNV												
DIBENZOFURAN	10 UG/L		UNV												
DIETHYL PHTHALATE	10 UG/L		UNV												
DIMETHYL PHTHALATE	10 UG/L		UNV												
FLUORANTHENE	10 UG/L		UNV												
FLUORENE	10 UG/L		UNV												
HEXACHLOROBENZENE	10 UG/L		UNV												
HEXACHLOROBUTADIENE	10 UG/L		UNV												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UNV												
HEXACHLOROETHANE	10 UG/L		UNV												
INDENO(1,2,3-CD)PYRENE	10 UG/L		UNV												
ISOPHORONE	10 UG/L		UNV												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		UNV												
N-NITROSODIPHENYLAMINE	10 UG/L		UNV												
NAPHTHALENE	10 UG/L		UNV												

SAMPLE NUMBER:	003194			GW930119-2			GW930119-2			GW930119-2			GW930119-2		
LAB:	IT			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
NITROBENZENE	10 UG/L		UNV												
P-CHLOROANILINE	10 UG/L		UNV												
PENTACHLOROPHENOL	50 UG/L		UNV												
PHENANTHRENE	10 UG/L		UNV												
PHENOL	2 UG/L		NV										.005 MG/L		UNV
PYRENE	10 UG/L		UNV												
VOLATILES															
1,1,1,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													10 UG/L		UNV
2-HEXANONE													10 UG/L		UNV
4-METHYL-2-PENTANONE													10 UG/L		UNV
ACETONE													10 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													5 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													10 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													10 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													10 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
TRICHLOROFLUOROMETHANE													1 UG/L		UNV
VINYL ACETATE													10 UG/L		UNV

SAMPLE NUMBER:	003194			GW930119-2			GW930119-2			GW930119-2			GW930119-2		
LAB:	IT			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE													5 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003349			003349			003724			003724			EMGW_SYSGEN_379		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			GWMON		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2008			2008			2008			2008			2008		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	20-NOV-88			20-NOV-88			20-NOV-88			20-NOV-88			23-APR-90		
NORTH COORDINATE:	480661.42			480661.42			480661.42			480661.42			480661.42		
EAST COORDINATE:	1378918.03			1378918.03			1378918.03			1378918.03			1378918.03		
QA TYPE:	DUPLICATE			DUPLICATE			NORMAL			NORMAL			NORMAL		
QC OF:	003724			003724											
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		UJ				.1 MG/L		UJ			
CHLORIDE				20 MG/L		-				31.3 MG/L		-			
FLUORIDE				.28 MG/L		-				.27 MG/L		-			
NITRATE				5.39 MG/L		-				4.66 MG/L		-			
PHENOLS				.01 MG/L		U				.01 MG/L		U			
PHOSPHORUS				.032 MG/L		-				.02 MG/L		U			
SULFATE				68.3 MG/L		-				73.9 MG/L		-			
TOTAL KJELDAHL NITROGEN				.38 MG/L		J				.28 MG/L		J			
TOTAL ORGANIC HALIDES				.05 MG/L		U				.05 MG/L		U			
TOTAL ORGANIC NITROGEN				.38 MG/L		J				.28 MG/L		J			
INORGANICS															
ARSENIC	.002 MG/L		UJ				.002 MG/L		UJ						
BARIUM	.041 MG/L		-				.041 MG/L		-						
CADMIUM	.002 MG/L		U				.002 MG/L		U						
CALCIUM	85.2 MG/L		-				83.4 MG/L		-						
CHROMIUM	.02 MG/L		U				.02 MG/L		U						
COPPER	.01 MG/L		U				.01 MG/L		U						
IRON	.007 MG/L		-				.005 MG/L		U						
LEAD	.002 MG/L		UJ				.004 MG/L		J						
MAGNESIUM	21.9 MG/L		-				21.4 MG/L		-						
MANGANESE	.003 MG/L		-				.002 MG/L		-						
MERCURY	.0002 MG/L		U				.0002 MG/L		U						
MOLYBDENUM	.02 MG/L		U				.02 MG/L		U						
NICKEL	.02 MG/L		U				.02 MG/L		U						
POTASSIUM	2.56 MG/L		-				2.6 MG/L		-						

000662
000398
6417

SAMPLE NUMBER:	003349			003349			003724			003724			EMGW_SYSGEN_379		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.002 MG/L		UJ				.002 MG/L		UJ						
SILVER	.0005 MG/L		U				.0005 MG/L		U						
SODIUM	15.2 MG/L		-				14.1 MG/L		-						
RADIONUCLIDES															
URANIUM-238				7.8 PCI/L	1.2	-				6 PCI/L	1	J	5.97 PCI/L		NV
URANIUM, TOTAL				25 UG/L	4	-				18 UG/L	3	J	15 UG/L		NV
URANIUM-234				5.8 PCI/L	1	-				6.3 PCI/L	1	J	5.16 PCI/L		NV
THORIUM-230				.2 PCI/L		U				1.3 PCI/L		UJ	.57 PCI/L		UNV
RADIUM-226				1 PCI/L	.2	U				1 PCI/L	.1	UJ	1.1 PCI/L		NV
URANIUM-235/236				.28 PCI/L	.2	U				1 PCI/L		UJ	.295 PCI/L		NV
THORIUM-232				.2 PCI/L		U				1.3 PCI/L		UJ	.57 PCI/L		UNV
THORIUM, TOTAL				25 UG/L	4	U				12 UG/L		UJ	5.1 UG/L		UNV
RADIUM-228				3 PCI/L		UJ				3 PCI/L		UJ	3.2 PCI/L		UNV
THORIUM-228				.3 PCI/L	.2	U				1.3 PCI/L		UJ	.57 PCI/L		UNV
NEPTUNIUM-237				.5 PCI/L		U				.5 PCI/L		UJ			
PLUTONIUM-239/240				.5 PCI/L		UJ				.5 PCI/L		UJ			
PLUTONIUM-238				.5 PCI/L		UJ				.5 PCI/L		UJ			
STRONTIUM-90				27 PCI/L		U				1.4 PCI/L		UJ			
TECHNETIUM-99				15 PCI/L		U				26 PCI/L		UJ			
RUTHENIUM-106				89 PCI/L		R				78 PCI/L		R			
CESIUM-137				10 PCI/L		R				10 PCI/L		R			
GROSS ALPHA													29.5 PCI/L	.0147	NV
GROSS BETA													24 PCI/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_379			003923			003923			120035			120035		
TASK:	GWMON			3.2.4			3.2.4			50.03.23			50.03.23		
LAB:	NET			IT			IT			CORE			CORE		
WELL OR BORING NUMBER:	2008			2008			2008			2009			2009		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	23-APR-90			23-FEB-89			23-FEB-89			07-JUN-93			07-JUN-93		
NORTH COORDINATE:	480661.42			480661.42			480661.42			479540.71			479540.71		
EAST COORDINATE:	1378918.03			1378918.03			1378918.03			1378007.77			1378007.77		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.2 MG/L		J						
CHLORIDE	32 MG/L		NV				28 MG/L		J						
FLUORIDE							.3 MG/L		J						
NITRATE	1.85 MG/L		NV				1.6 MG/L		J						
NITRATE, AS NITROGEN	1.85 MG/L		NV												
PHENOLS							.005 MG/L		UJ						
PHOSPHORUS							.21 MG/L		J						
SULFATE	81 MG/L		NV				63 MG/L		J						
TOTAL KJELDAHL NITROGEN							.3 MG/L		UJ						
TOTAL ORGANIC CARBON	1 MG/L		NV												
TOTAL ORGANIC HALIDES							.01 MG/L		U						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.1 MG/L		UJ						
INORGANICS															
ARSENIC				.003 MG/L		UJ									
BARIUM				.043 MG/L		J									
CADMIUM				.005 MG/L		UJ									
CALCIUM				94 MG/L		J									
CHROMIUM				.02 MG/L		J									
COPPER				.01 MG/L		UJ									
IRON				.16 MG/L		J									
LEAD				.002 MG/L		J									
MAGNESIUM				23 MG/L		J									
MANGANESE				.012 MG/L		J									
MERCURY				.0002 MG/L		UJ									

SAMPLE NUMBER:	EMGW_SYSGEN_379			003923			003923			120035			120035		
LAB:	NET			IT			IT			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM				.01 MG/L		UJ									
NICKEL				.03 MG/L		UJ									
POTASSIUM				2.9 MG/L		J									
SELENIUM				.005 MG/L		UJ									
SILVER				.01 MG/L		UJ									
SODIUM				14 MG/L		J									
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							6 PCI/L	1	-	9.1 PCI/L	1.2	-	11 PCI/L	1.2	-
URANIUM, TOTAL							5 UG/L	1	-	26.8 UG/L	1.9	-	27.2 UG/L	1.9	-
URANIUM-234							6.1 PCI/L	1	-	5.4 PCI/L	.8	-	5.6 PCI/L	.7	-
THORIUM-230							1 PCI/L		U	.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ
RADIUM-226							1 PCI/L		U	1 PCI/L	.3	U	1 PCI/L	.4	U
URANIUM-235/236							1 PCI/L		U	.4 PCI/L	.3	-	.3 PCI/L	.8	-
THORIUM-232							1 PCI/L		U	.2 PCI/L	.2	UJ	.3 PCI/L	.1	U
THORIUM, TOTAL							3 UG/L		U						
RADIUM-228							3 PCI/L		UJ	3 PCI/L	1.7	U	3 PCI/L	1.3	U
THORIUM-228							1 PCI/L		U	.2 PCI/L	.2	UJ	.2 PCI/L	.3	U
NEPTUNIUM-237							1 PCI/L		U						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
GROSS ALPHA										6.5 PCI/L	2	NV	13.6 PCI/L	3.2	NV
GROSS BETA										6.7 PCI/L	1.8	NV	6.5 PCI/L	2.5	NV
SEMIVOLATILES															
1,3-DICHLOROBENZENE	1 UG/L		UNV												
1,4-DICHLOROBENZENE	1 UG/L		UNV												
2-CHLOROETHYLVINYL ETHER	60 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_379			003923			003923			120035			120035		
LAB:	NET			IT			IT			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
TRICHLOROFLUOROMETHANE	1 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120035	120035	120035	003667	003667
TASK:	50.03.23	50.03.23	50.03.23	3.2.4	3.2.4
LAB:	FERMCO	NET	NET	IT	IT
WELL OR BORING NUMBER:	2009	2009	2009	2009	2009
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-JUN-93	07-JUN-93	07-JUN-93	07-NOV-88	07-NOV-88
NORTH COORDINATE:	479540.71	479540.71	479540.71	479540.71	479540.71
EAST COORDINATE:	1378007.77	1378007.77	1378007.77	1378007.77	1378007.77
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							248 MG/L		-						
AMMONIA							.02 MG/L		-				.1 MG/L		U
BICARBONATE ALKALINITY							305 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE							19 MG/L		-				25.9 MG/L		-
FLUORIDE							.21 MG/L		-				.15 MG/L		-
NITRATE							1.94 MG/L		J				.09 MG/L		U
NITRATE/NITRITE							1.94 MG/L		J						
PH							7.73 SU		-				.01 MG/L		U
PHENOLS							.01 MG/L		U				.01 MG/L		U
PHOSPHORUS							.1 MG/L		U				.02 MG/L		U
SPECIFIC CONDUCTIVITY							578 UMHOS/CM		-						
SULFATE							71 MG/L		-				131 MG/L		-
TOTAL DISSOLVED SOLIDS				351 MG/L		-									
TOTAL KJELDAHL NITROGEN							.1 MG/L		UJ				.3 MG/L		U
TOTAL ORGANIC CARBON							1 MG/L		UJ						
TOTAL ORGANIC HALIDES													.05 MG/L		U
TOTAL ORGANIC HALOGENS							.01 MG/L		UJ						
TOTAL ORGANIC NITROGEN							.1 MG/L		UJ				.3 MG/L		-
TOTAL SOLIDS							407 MG/L		-						
INORGANICS															
ALUMINUM				.02 MG/L		U	.0962 MG/L		U						
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.002 MG/L		U	.0028 MG/L		U	.002 MG/L		U			
BARIUM				.0397 MG/L		-	.0409 MG/L		-	.03 MG/L		-			

SAMPLE NUMBER:	120035			120035			120035			003667			003667		
LAB:	FERMCO			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						
CADMIUM				.003 MG/L		U	.003 MG/L		U	.002 MG/L		U			
CALCIUM				80.7 MG/L		-	81.9 MG/L		-	75 MG/L		-			
CHROMIUM				.005 MG/L		U	.005 MG/L		U	.02 MG/L		U			
COBALT				.008 MG/L		U	.008 MG/L		U						
COPPER				.0158 MG/L		U	.0088 MG/L		U	.01 MG/L		U			
CYANIDE				.01 MG/L		UJ	.01 MG/L		UJ						
IRON				.0218 MG/L		U	.228 MG/L		-	.04 MG/L		-			
LEAD				.001 MG/L		U	.0018 MG/L		UJ	.004 MG/L		R			
MAGNESIUM				20.3 MG/L		-	20.4 MG/L		-	18.4 MG/L		-			
MANGANESE				.001 MG/L		U	.0135 MG/L		-	.002 MG/L		-			
MERCURY				.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL				.02 MG/L		U	.02 MG/L		U	.02 MG/L		U			
POTASSIUM				2.2 MG/L		-	2.69 MG/L		-	2.07 MG/L		J			
SELENIUM				.053 MG/L		R	.0016 MG/L		R	.002 MG/L		UJ			
SILVER				.007 MG/L		UJ	.007 MG/L		U	.01 MG/L		U			
SODIUM				11 MG/L		-	10.7 MG/L		-	11.1 MG/L		-			
THALLIUM				.002 MG/L		U	.002 MG/L		U						
VANADIUM				.003 MG/L		U	.003 MG/L		U						
ZINC				.0066 MG/L		U	.027 MG/L		U						
RADIONUCLIDES															
URANIUM-238													7.1 PCI/L	1.1	-
URANIUM, TOTAL	28 UG/L		NV										24 UG/L	4	-
URANIUM-234													4.6 PCI/L	.8	-
THORIUM-230													1 PCI/L		U
RADIUM-226													1 PCI/L		U
URANIUM-235/236													1 PCI/L		U
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													3 UG/L		U
RADIUM-228													3 PCI/L		U
THORIUM-228													1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		R
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R

VOLATILES

1,1,1-TRICHLOROETHANE 10 UG/L U
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120035			120035			120035			003667			003667		
LAB:	FERMCO			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		UJ						
BENZENE							1 UG/L		J						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							9 UG/L		J						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066840	EMGW_SYSGEN_387	EMGW_SYSGEN_386	EMGW_SYSGEN_386	003383
TASK:	9.27	GWMON	GWMON	GWMON	3.2.4
LAB:	IT	NET	IT	NET	IT
WELL OR BORING NUMBER:	2009	2009	2009	2009	2009
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-DEC-89	16-OCT-90	17-APR-90	17-APR-90	27-JUL-88
NORTH COORDINATE:	479540.71	479540.71	479540.71	479540.71	479540.71
EAST COORDINATE:	1378007.77	1378007.77	1378007.77	1378007.77	1378007.77
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				204 MG/L		NV									
AMMONIA				.16 MG/L		NV									
CHLORIDE				18 MG/L		NV				23 MG/L		NV			
FLUORIDE				.8 MG/L		NV									
NITRATE, AS NITROGEN										2.56 MG/L		NV			
NITRATE/NITRITE				2.33 MG/L		NV									
PH				7.24 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.8 MG/L		NV									
SPECIFIC CONDUCTIVITY				621 UMHOS/CM		NV									
SULFATE				46 MG/L		NV				57 MG/L		NV			
TOTAL DISSOLVED SOLIDS				430 MG/L		NV									
TOTAL ORGANIC CARBON				2 MG/L		NV				2 MG/L		NV			
TOTAL ORGANIC HALOGENS				.259 MG/L		NV				.059 MG/L		NV			
INORGANICS															
ARSENIC													.01 MG/L		UJ
BARIUM													.2 MG/L		U
CADMIUM													.005 MG/L		U
CALCIUM													80 MG/L		J
CHROMIUM													.01 MG/L		U
COPPER													.025 MG/L		U
CYANIDE				.005 MG/L		UNV									
IRON													.1 MG/L		U
LEAD													.2 MG/L		U
MAGNESIUM													21 MG/L		-

SAMPLE NUMBER:	066840			EMGW_SYSGEN_387			EMGW_SYSGEN_386			EMGW_SYSGEN_386			003383		
LAB:	IT			NET			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE													.015 MG/L		U
MERCURY													.0008 MG/L		U
MOLYBDENUM													.05 MG/L		U
NICKEL													.04 MG/L		U
POTASSIUM													5 MG/L		U
SELENIUM													.005 MG/L		U
SILVER													.01 MG/L		UJ
SODIUM													11 MG/L		-
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	9.7 PCI/L	1.38	-				4.2 PCI/L		NV						
URANIUM, TOTAL	39.2 UG/L	5.7	-				13.6 UG/L		NV						
URANIUM-234	6.26 PCI/L	.98	-				2.87 PCI/L		NV						
THORIUM-230	1 PCI/L		U				.453 PCI/L		NV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236	1 PCI/L		U				.291 PCI/L		NV						
THORIUM-232							.3 PCI/L		UNV						
THORIUM, TOTAL							2.7 UG/L		UNV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228	1 PCI/L		U				.43 PCI/L		NV						
TECHNETIUM-99	30 PCI/L		U												
GROSS ALPHA							57.3 PCI/L	.018	NV						
GROSS BETA							24.6 PCI/L		UNV						
SEMIVOLATILES															
1,3-DICHLOROBENZENE										1 UG/L		UNV			
1,4-DICHLOROBENZENE										1 UG/L		UNV			
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV				60 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			

SAMPLE NUMBER:	066840			EMGW_SYSGEN_387			EMGW_SYSGEN_386			EMGW_SYSGEN_386			003383		
LAB:	IT			NET			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV				1 UG/L		UNV			
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV				1 UG/L		UNV			
BROMODICHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
BROMOFORM				1 UG/L		UNV				1 UG/L		UNV			
BROMOMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROBENZENE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV				1 UG/L		UNV			
CHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
ETHYLBENZENE				1 UG/L		UNV				1 UG/L		UNV			
METHYLENE CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
TOLUENE				1 UG/L		UNV				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
TRICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
TRICHLOROFLUOROMETHANE										1 UG/L		UNV			
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003383	003067	003067	003067	003866
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	UNKNOWN	UNKNOWN	IT
WELL OR BORING NUMBER:	2009	2009	2009	2009	2009
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-JUL-88	29-MAR-88	29-MAR-88	29-MAR-88	31-JAN-89
NORTH COORDINATE:	479540.71	479540.71	479540.71	479540.71	479540.71
EAST COORDINATE:	1378007.77	1378007.77	1378007.77	1378007.77	1378007.77
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UJ							.1 MG/L		UNV			
CHLORIDE	23 MG/L		J							24 MG/L		NV			
FLUORIDE	.81 MG/L		R							.5 MG/L		UNV			
HEXAVALENT CHROMIUM										.02 MG/L		UNV			
NITRATE	3.9 MG/L		J							5 MG/L		UNV			
PH	.05 MG/L		U							7.49 SU		NV			
PHENOLS	.05 MG/L		U							.01 MG/L		UNV			
PHOSPHATE										.3 MG/L		NV			
PHOSPHORUS	.01 MG/L		R												
SPECIFIC CONDUCTIVITY										574 UMHOS/CM		NV			
SULFATE	60 MG/L		R							53 MG/L		NV			
TOTAL ORGANIC NITROGEN	.1 MG/L		UJ							.2 MG/L		NV			
INORGANICS															
ARSENIC							.03 MG/L		UNV				.002 MG/L		U
BARIUM							.045 MG/L		NV				.039 MG/L		-
CADMIUM							.005 MG/L		UNV				.002 MG/L		U
CALCIUM							80.7 MG/L		NV				85.1 MG/L		-
CHROMIUM							.01 MG/L		UNV				.025 MG/L		-
COPPER							.01 MG/L		UNV				.017 MG/L		-
IRON							.09 MG/L		NV				.08 MG/L		U
LEAD							.03 MG/L		UNV				.002 MG/L		U
MAGNESIUM							22.3 MG/L		NV				21.7 MG/L		-
MANGANESE							.014 MG/L		NV				.009 MG/L		-
MERCURY							.001 MG/L		UNV				.0058 MG/L		-
MOLYBDENUM							.01 MG/L		UNV				.02 MG/L		U

SAMPLE NUMBER:	003383			003067			003067			003067			003866		
LAB:	IT			IT			UNKNOWN			UNKNOWN			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL							.02 MG/L		UNV				.02 MG/L		U
POTASSIUM							3 MG/L		NV				2.42 MG/L		-
SELENIUM							.01 MG/L		UNV				.004 MG/L		-
SILVER							.005 MG/L		UNV				.0005 MG/L		U
SODIUM							12.3 MG/L		NV				12.5 MG/L		-
RADIONUCLIDES															
URANIUM-238	7 PCI/L	1.1	R	6.9 PCI/L	1.4	J									
URANIUM, TOTAL	19 UG/L	3	-	22 UG/L	4	J									
URANIUM-234	4.7 PCI/L	.8	R	5.6 PCI/L	1.3	J									
THORIUM-230	1 PCI/L		U	1 PCI/L		UJ									
RADIUM-226	1 PCI/L		U	1 PCI/L		UJ									
URANIUM-235/236	1 PCI/L		R	1 PCI/L		UJ									
THORIUM-232	1 PCI/L		U	1 PCI/L		UJ									
THORIUM, TOTAL	4 UG/L		U												
RADIUM-228	3 PCI/L		UJ	3 PCI/L		UJ									
THORIUM-228	1.1 PCI/L	.4	-	1 PCI/L		UJ									
NEPTUNIUM-237	1 PCI/L		U	1 PCI/L		UJ									
PLUTONIUM-239/240	1 PCI/L		R	1 PCI/L		UJ									
PLUTONIUM-238	1 PCI/L		R	1 PCI/L		UJ									
STRONTIUM-90	5 PCI/L		U	5 PCI/L		UJ									
TECHNETIUM-99	30 PCI/L		U	30 PCI/L		UJ									
RUTHENIUM-106	150 PCI/L		R	150 PCI/L		R									
CESIUM-137	20 PCI/L		R	20 PCI/L		R									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003866	EMGW_SYSGEN_392	EMGW_SYSGEN_392	EMGW_SYSGEN_392	003715
TASK:	3.2.4	GWMON	GWMON	GWMON	3.2.4
LAB:	IT	IT	NET	NET	IT
WELL OR BORING NUMBER:	2009	2010	2010	2010	2010
DEPTH:	-	-	-	-	-
DATE COLLECTED:	31-JAN-89	01-AUG-90	01-AUG-90	01-AUG-90	01-DEC-88
NORTH COORDINATE:	479540.71	481460.53	481460.53	481460.53	481460.53
EAST COORDINATE:	1378007.77	1379691.07	1379691.07	1379691.07	1379691.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U												
CHLORIDE	24 MG/L		-							32 MG/L		NV			
FLUORIDE	.1 MG/L		-							.11 MG/L		NV			
NITRATE	1.42 MG/L		-							.02 MG/L		NV			
NITRATE, AS NITROGEN										.02 MG/L		NV			
PHENOLS	.02 MG/L		-							.01 MG/L		NV			
SULFATE	55.6 MG/L		-							601 MG/L		NV			
TOTAL KJELDAHL NITROGEN	.568 MG/L		-												
TOTAL ORGANIC CARBON										1 MG/L		NV			
TOTAL ORGANIC HALIDES	.01 MG/L		R												
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	.568 MG/L		-												
INORGANICS															
ALUMINUM							.5 MG/L		UNV	2.59 MG/L		NV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.0025 MG/L		UNV	.008 MG/L		NV	.02 MG/L		R
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV	.067 MG/L		-
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV	.002 MG/L		U
CALCIUM							132 MG/L		NV	169 MG/L		NV	186 MG/L		-
CHROMIUM										.005 MG/L		UNV	.02 MG/L		U
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		U
IRON							3.17 MG/L		NV	18.9 MG/L		NV	2.07 MG/L		-
LEAD							.005 MG/L		UNV	.005 MG/L		UNV	.012 MG/L		R

SAMPLE NUMBER:	003866			EMGW_SYSGEN_392			EMGW_SYSGEN_392			EMGW_SYSGEN_392			003715		
LAB:	IT			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MAGNESIUM							32 MG/L		NV	41.8 MG/L		NV	37.1 MG/L		-
MANGANESE							.942 MG/L		NV	1.22 MG/L		NV	.351 MG/L		-
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		U
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		U
NICKEL							.005 MG/L		UNV	.02 MG/L		NV	.02 MG/L		U
POTASSIUM							4.96 MG/L		NV	5.92 MG/L		NV	2.78 MG/L		-
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV	.022 MG/L		R
SILVER							.001 MG/L		UNV	.001 MG/L		UNV	.019 MG/L		-
SODIUM							15.4 MG/L		NV	20 MG/L		NV	14 MG/L		-
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.02 MG/L		UNV	.02 MG/L		UNV			
RADIONUCLIDES															
URANIUM-238	8.1 PCI/L	1.1	-	4.48 PCI/L		NV									
URANIUM, TOTAL	27 UG/L	5	-	12.9 UG/L		NV									
URANIUM-234	5.1 PCI/L	.8	-	5.79 PCI/L		NV									
THORIUM-230	1 PCI/L		U	.85 PCI/L		UNV									
RADIUM-226	1 PCI/L		U	1 PCI/L		UNV									
URANIUM-235/236	1 PCI/L		U	.24 PCI/L		UNV									
THORIUM-232	1 PCI/L		U	.85 PCI/L		UNV									
THORIUM, TOTAL	3 UG/L		U	7.7 UG/L		UNV									
RADIUM-228	3 PCI/L		UJ	3 PCI/L		UNV									
THORIUM-228	1 PCI/L		U	.85 PCI/L		UNV									
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		U												
PLUTONIUM-238	1 PCI/L		U												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			

SAMPLE NUMBER:	003866			EMGW_SYSGEN_392			EMGW_SYSGEN_392			EMGW_SYSGEN_392			003715		
LAB:	IT			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003715	003902	003902	003445	003445
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2010	2010	2010	2010	2010
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-DEC-88	02-MAR-89	02-MAR-89	08-AUG-88	08-AUG-88
NORTH COORDINATE:	481460.53	481460.53	481460.53	481460.53	481460.53
EAST COORDINATE:	1379691.07	1379691.07	1379691.07	1379691.07	1379691.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U				.7 MG/L		J				.1 MG/L		U
CHLORIDE	29 MG/L		-				32 MG/L		UJ				31 MG/L		NV
FLUORIDE	.13 MG/L		-				.2 MG/L		J				.1 MG/L		NV
NITRATE	.1 MG/L		UJ				.02 MG/L		R				2.5 MG/L		UJ
PHENOLS	.01 MG/L		U				.03 MG/L		J				.01 MG/L		U
PHOSPHATE													7.2 MG/L		-
PHOSPHORUS	.055 MG/L		-				2.6 MG/L		J						
SULFATE	271 MG/L		-				140 MG/L		J				310 MG/L		NV
TOTAL KJELDAHL NITROGEN	.27 MG/L		-				1.7 MG/L		J						
TOTAL ORGANIC HALIDES	.05 MG/L		U				.016 MG/L		J				.05 MG/L		R
TOTAL ORGANIC NITROGEN	.27 MG/L		-				1 MG/L		J				.5 MG/L		-
INORGANICS															
ARSENIC				.003 MG/L		UJ				.01 MG/L		R			
BARIUM				.056 MG/L		J				.2 MG/L		R			
CADMIUM				.005 MG/L		UJ				.005 MG/L		R			
CALCIUM				150 MG/L		J				180 MG/L		R			
CHROMIUM				.03 MG/L		J				.01 MG/L		R			
COPPER				.01 MG/L		UJ				.03 MG/L		R			
IRON				.09 MG/L		UJ				4.7 MG/L		R			
LEAD				.002 MG/L		UJ				.005 MG/L		R			
MAGNESIUM				32 MG/L		J				39 MG/L		R			
MANGANESE				.28 MG/L		J				.35 MG/L		R			
MERCURY				.0002 MG/L		J				.0002 MG/L		R			
MOLYBDENUM				.01 MG/L		J				.05 MG/L		R			
NICKEL				.03 MG/L		UJ				.04 MG/L		R			

SAMPLE NUMBER:	003715			003902			003902			003445			003445		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM				4.3 MG/L		J				7 MG/L		R			
SELENIUM				.005 MG/L		UJ				.005 MG/L		R			
SILVER				.01 MG/L		UJ				.01 MG/L		R			
SODIUM				19 MG/L		J				15 MG/L		R			
RADIONUCLIDES															
URANIUM-238	1.9 PCI/L	.7	J				12.1 PCI/L	2.1	-				1.3 PCI/L	.3	J
URANIUM, TOTAL	5 UG/L	1	-				21 UG/L	4	-				2 UG/L	1	-
URANIUM-234	2.4 PCI/L	.8	J				14.1 PCI/L	2.3	R				1.2 PCI/L	.3	J
THORIUM-230	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
RADIUM-226	1 PCI/L		U				2.7 PCI/L	.5	J				1 PCI/L		R
URANIUM-235/236	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
THORIUM-232	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL	4 UG/L		UJ				3 UG/L		U				3 UG/L	2	-
RADIUM-228	3 PCI/L		U				3 PCI/L		UJ				3 PCI/L		U
THORIUM-228	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		UJ
PLUTONIUM-239/240	1 PCI/L		UJ				1 PCI/L		R				1 PCI/L		U
PLUTONIUM-238	1 PCI/L		UJ				1 PCI/L		R				1 PCI/L		U
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U				30 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R				150 PCI/L		R
CESIUM-137	20 PCI/L		R				20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_397	EMGW_SYSGEN_397	EMGW_SYSGEN_397	EMGW_SYSGEN_391	EMGW_SYSGEN_391
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	NET	WMCO	IT	NET
WELL OR BORING NUMBER:	2010	2010	2010	2010	2010
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-OCT-91	09-OCT-91	09-OCT-91	10-MAY-90	10-MAY-90
NORTH COORDINATE:	481460.53	481460.53	481460.53	481460.53	481460.53
EAST COORDINATE:	1379691.07	1379691.07	1379691.07	1379691.07	1379691.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				298 MG/L		NV									
AMMONIA				.02 MG/L		UNV									
CHLORIDE				32 MG/L		NV									
FLUORIDE				.14 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PH				6.98 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.17 MG/L		NV									
SPECIFIC CONDUCTIVITY				906 UMHOS/CM		NV									
SULFATE				161 MG/L		NV									
TOTAL DISSOLVED SOLIDS				574 MG/L		NV									
TOTAL ORGANIC CARBON				19 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	.2 MG/L		UNV							.05 MG/L		UNV
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV							.025 MG/L		UNV
ARSENIC	.005 MG/L		UNV	.0076 MG/L		NV							.0025 MG/L		UNV
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV							.2 MG/L		UNV
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV							.01 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV							.001 MG/L		UNV
CALCIUM	150 MG/L		NV	160 MG/L		NV							118 MG/L		NV
CHROMIUM				.002 MG/L		UNV									
COBALT	.005 MG/L		UNV	.005 MG/L		UNV							.025 MG/L		UNV
COPPER	.02 MG/L		UNV	.02 MG/L		UNV							.025 MG/L		UNV
CYANIDE				.005 MG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_397			EMGW_SYSGEN_397			EMGW_SYSGEN_397			EMGW_SYSGEN_391			EMGW_SYSGEN_391		
LAB:	NET			NET			WMCO			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	1.2 MG/L		NV	9.4 MG/L		NV							1.3 MG/L		NV
LEAD	.003 MG/L		UNV	.003 MG/L		UNV							.005 MG/L		UNV
MAGNESIUM	22 MG/L		NV	23 MG/L		NV							30.8 MG/L		NV
MANGANESE	.944 MG/L		NV	.989 MG/L		NV							.406 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV							.0002 MG/L		UNV
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV							.025 MG/L		UNV
NICKEL	.01 MG/L		UNV	.01 MG/L		UNV							.005 MG/L		UNV
POTASSIUM	3.3 MG/L		NV	3.3 MG/L		NV							3.47 MG/L		NV
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV							.0025 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV							.001 MG/L		UNV
SODIUM	14 MG/L		NV	14 MG/L		NV							14.8 MG/L		NV
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV							.05 MG/L		UNV
ZINC	.063 MG/L		NV	.053 MG/L		NV							.02 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238										2.35 PCI/L		NV			
URANIUM, TOTAL							13 UG/L		NV	6.87 UG/L		NV			
URANIUM-234										3.03 PCI/L		NV			
THORIUM-230										.354 PCI/L		NV			
RADIUM-226										1 PCI/L		UNV			
URANIUM-235/236										.25 PCI/L		UNV			
THORIUM-232										.3 PCI/L		UNV			
THORIUM, TOTAL										2.7 UG/L		UNV			
RADIUM-228										13 PCI/L		UNV			
THORIUM-228										.575 PCI/L		NV			
NEPTUNIUM-237										.5 PCI/L		UNV			
PLUTONIUM-239/240										.5 PCI/L		UNV			
PLUTONIUM-238										.5 PCI/L		UNV			
STRONTIUM-90										1 PCI/L		UNV			
TECHNETIUM-99										25 PCI/L		UNV			
RUTHENIUM-106										150 PCI/L		UNV			
CESIUM-137										8 PCI/L		UNV			
GROSS ALPHA										192 PCI/L	.034	NV			
GROSS BETA										25 PCI/L		UNV			

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_397			EMGW_SYSGEN_397			EMGW_SYSGEN_397			EMGW_SYSGEN_391			EMGW_SYSGEN_391		
LAB:	NET			NET			WMCO			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_391			EMGW_SYSGEN_393			EMGW_SYSGEN_393			066503			066503		
TASK:	GWMON			GWMON			GWMON			9.25			9.25		
LAB:	NET			NET			NET			IT			IT		
WELL OR BORING NUMBER:	2010			2010			2010			2010			2010		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	10-MAY-90			13-NOV-90			13-NOV-90			14-AUG-89			14-AUG-89		
NORTH COORDINATE:	481460.53			481460.53			481460.53			481460.53			481460.53		
EAST COORDINATE:	1379691.07			1379691.07			1379691.07			1379691.07			1379691.07		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							200 MG/L		NV						
AMMONIA							.13 MG/L		NV						
CHLORIDE	39 MG/L		NV				36 MG/L		NV				27 MG/L		-
FLUORIDE	.21 MG/L		NV				.22 MG/L		NV				.088 MG/L		-
NITRATE	.02 MG/L		NV				.02 MG/L		UNV				.1 MG/L		UR
NITRATE, AS NITROGEN	.02 MG/L		NV												
NITRATE/NITRITE							.02 MG/L		UNV						
PH	4 UG/L		UNV				6.92 SU		NV						
PHENOLS	.005 MG/L		UNV				.005 MG/L		UNV						
PHOSPHORUS							.25 MG/L		NV						
SPECIFIC CONDUCTIVITY							741 UMHOS/CM		NV						
SULFATE	148 MG/L		NV				105 MG/L		NV				739 MG/L		-
TOTAL DISSOLVED SOLIDS							628 MG/L		NV						
TOTAL ORGANIC CARBON	2 MG/L		NV				5 MG/L		NV				1 MG/L		U
TOTAL ORGANIC HALIDES													.01 MG/L		-
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.069 MG/L		NV						
INORGANICS															
ALUMINUM	1.05 MG/L		NV	.5 MG/L		UNV	2.02 MG/L		NV	.262 MG/L		-			
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV						
ARSENIC	.005 MG/L		NV	.0025 MG/L		UNV	.007 MG/L		NV						
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV	.054 MG/L		-			
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV	.002 MG/L		-			
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV						
CALCIUM	90 MG/L		NV	99.4 MG/L		NV	142 MG/L		NV	386 MG/L		-			
CHROMIUM	.009 MG/L		NV				.005 MG/L		UNV	.041 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_391			EMGW_SYSGEN_393			EMGW_SYSGEN_393			066503			066503		
LAB:	NET			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT	.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV	.012 MG/L		-			
COPPER	.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		U			
CYANIDE	.005 MG/L		UNV				.005 MG/L		UNV						
IRON	7.1 MG/L		NV	.807 MG/L		NV	15.5 MG/L		NV	4.71 MG/L		-			
LEAD	.005 MG/L		NV	.005 MG/L		UNV	.015 MG/L		NV	.004 MG/L		-			
MAGNESIUM	33.9 MG/L		NV	14.6 MG/L		NV	28.2 MG/L		NV	60.4 MG/L		-			
MANGANESE	.457 MG/L		NV	.442 MG/L		NV	.664 MG/L		NV						
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM	.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV						
NICKEL	.005 MG/L		UNV	.005 MG/L		UNV	.01 MG/L		NV	.032 MG/L		-			
POTASSIUM	3.45 MG/L		NV	3.18 MG/L		NV	3.5 MG/L		NV						
SELENIUM	.0025 MG/L		UNV	.0025 MG/L		UNV	.0025 MG/L		UNV						
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		U			
SODIUM	15 MG/L		NV	9.9 MG/L		NV	8.3 MG/L		NV						
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV	.041 MG/L		-			
ZINC	.02 MG/L		UNV	.049 MG/L		NV	.041 MG/L		NV	.038 MG/L		-			
MISC															
3-METHYLPHENOL	4 UG/L		UNV												
DIPHENYLAMINE	15 UG/L		UNV												
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
PESTICIDES															
4,4'-DDD	.2 UG/L		UNV												
4,4'-DDE	.2 UG/L		UNV												
4,4'-DDT	.2 UG/L		UNV												
ALDRIN	.2 UG/L		UNV												
ALPHA-BHC	.2 UG/L		UNV												
AROCLOR-1016	.2 UG/L		UNV												
AROCLOR-1221	.2 UG/L		UNV												
AROCLOR-1232	.2 UG/L		UNV												
AROCLOR-1242	.2 UG/L		UNV												
AROCLOR-1248	.2 UG/L		UNV												
AROCLOR-1254	.2 UG/L		UNV												
AROCLOR-1260	.2 UG/L		UNV												
BETA-BHC	.2 UG/L		UNV												
CHLORDANE	.2 UG/L		UNV												
DELTA-BHC	.2 UG/L		UNV												
DIELDRIN	.2 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_391			EMGW_SYSGEN_393			EMGW_SYSGEN_393			066503			066503		
LAB:	NET			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDOSULFAN II	.2 UG/L		UNV												
ENDOSULFAN SULFATE	.2 UG/L		UNV												
ENDOSULFAN-I	.2 UG/L		UNV												
ENDRIN	.08 UG/L		UNV												
ENDRIN ALDEHYDE	.2 UG/L		UNV												
GAMMA-BHC (LINDANE)	.2 UG/L		UNV												
HEPTACHLOR	.2 UG/L		UNV												
HEPTACHLOR EPOXIDE	.2 UG/L		UNV												
TOXAPHENE	.5 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238													8.9 PCI/L	1.3	-
URANIUM, TOTAL													34 UG/L	7	-
URANIUM-234													11.2 PCI/L	1.5	-
THORIUM-230													1 PCI/L		U
URANIUM-235/236													1 PCI/L		U
THORIUM-228													1 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	4 UG/L		UNV												
1,3-DICHLOROBENZENE	4 UG/L		UNV												
1,4-DICHLOROBENZENE	4 UG/L		UNV												
2,4,5-TRICHLOROPHENOL	4 UG/L		UNV												
2,4,6-TRICHLOROPHENOL	4 UG/L		UNV												
2,4-DICHLOROPHENOL	4 UG/L		UNV												
2,4-DIMETHYLPHENOL	4 UG/L		UNV												
2,4-DINITROPHENOL	4 UG/L		UNV												
2,4-DINITROTOLUENE	15 UG/L		UNV												
2,6-DINITROTOLUENE	15 UG/L		UNV												
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
2-CHLORONAPHTHALENE	4 UG/L		UNV												
2-CHLOROPHENOL	4 UG/L		UNV												
2-METHYLPHENOL	4 UG/L		UNV												
2-NITROANILINE	15 UG/L		UNV												
2-NITROPHENOL	4 UG/L		UNV												
3,3'-DICHLOROBENZIDINE	15 UG/L		UNV												
3-NITROANILINE	15 UG/L		UNV												
4,6-DINITRO-2-METHYLPHENOL	4 UG/L		UNV												
4-BROMOPHENYL PHENYL ETHER	15 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_391			EMGW_SYSGEN_393			EMGW_SYSGEN_393			066503			066503		
LAB:	NET			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-CHLORO-3-METHYLPHENOL	4 UG/L		UNV												
4-CHLOROPHENYLPHENYL ETHER	15 UG/L		UNV												
4-NITROANILINE	15 UG/L		UNV												
4-NITROPHENOL	4 UG/L		UNV												
ACENAPHTHYLENE	4 UG/L		UNV												
ANTHRACENE	4 UG/L		UNV												
BENZO(A)ANTHRACENE	4 UG/L		UNV												
BENZO(A)PYRENE	4 UG/L		UNV												
BENZO(B)FLUORANTHENE	4 UG/L		UNV												
BENZO(G,H,I)PERYLENE	4 UG/L		UNV												
BENZO(K)FLUORANTHENE	4 UG/L		UNV												
BENZOIC ACID	4 UG/L		UNV												
BENZYL ALCOHOL	40 UG/L		UNV												
BIS(2-CHLOROETHOXY)METHANE	15 UG/L		UNV												
BIS(2-CHLOROETHYL)ETHER	15 UG/L		UNV												
BIS(2-CHLOROISOPROPYL) ETHER	15 UG/L		UNV												
BIS(2-ETHYLHEXYL)PHTHALATE	4 UG/L		UNV												
BUTYL BENZYL PHTHALATE	4 UG/L		UNV												
CHRYSENE	4 UG/L		UNV												
DI-N-BUTYL PHTHALATE	4 UG/L		UNV												
DIBENZO(A,H)ANTHRACENE	4 UG/L		UNV												
DIBENZOFURAN	4 UG/L		UNV												
DIETHYL PHTHALATE	4 UG/L		UNV												
DIMETHYL PHTHALATE	4 UG/L		UNV												
FLUORANTHENE	4 UG/L		UNV												
FLUORENE	4 UG/L		UNV												
HEXACHLOROBENZENE	4 UG/L		UNV												
HEXACHLOROBUTADIENE	4 UG/L		UNV												
HEXACHLOROCYCLOPENTADIENE	4 UG/L		UNV												
HEXACHLOROETHANE	4 UG/L		UNV												
INDENO(1,2,3-CD)PYRENE	4 UG/L		UNV												
ISOPHORONE	4 UG/L		UNV												
N-NITROSO-DI-N-PROPYLAMINE	4 UG/L		UNV												
N-NITROSODIPHENYLAMINE	4 UG/L		UNV												
NAPHTHALENE	4 UG/L		UNV												
NITROBENZENE	4 UG/L		UNV												
P-CHLOROANILINE	4 UG/L		UNV												
PENTACHLOROPHENOL	4 UG/L		UNV												
PHENANTHRENE	4 UG/L		UNV												
PHENOL	4 UG/L		UNV				.005 MG/L		UNV						
PYRENE	4 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_391			EMGW_SYSGEN_393			EMGW_SYSGEN_393			066503			066503		
LAB:	NET			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PYRIDINE	4 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV				5 UG/L		U
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV						
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV						
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV						
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV						
ACETONE	2 UG/L		UNV				2 UG/L		UNV				10 UG/L		U
BENZENE	1 UG/L		UNV				1 UG/L		UNV						
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV						
BROMOMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV						
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV						
CHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV						
METHYLENE CHLORIDE	1 UG/L		UNV				1 UG/L		UNV				5 UG/L		U
STYRENE	1 UG/L		UNV				1 UG/L		UNV						
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV				5 UG/L		U
TOLUENE	1 UG/L		UNV				1 UG/L		UNV				5 UG/L		U
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV				5 UG/L		U
VINYL ACETATE	2 UG/L		UNV				2 UG/L		UNV						
VINYL CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066448	066448	GW930414-1	GW930414-1	GW930414-1
TASK:	9.25	9.25	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	CORE	CORE	DATACHEM
WELL OR BORING NUMBER:	2010	2010	2010	2010	2010
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-JUN-89	14-JUN-89	15-APR-93	15-APR-93	15-APR-93
NORTH COORDINATE:	481460.53	481460.53	481460.53	481460.53	481460.53
EAST COORDINATE:	1379691.07	1379691.07	1379691.07	1379691.07	1379691.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE				32.9 MG/L		-									
FLUORIDE				.16 MG/L		-									
NITRATE				.1 MG/L		UR									
SULFATE				79.6 MG/L		-									
TOTAL DISSOLVED SOLIDS													520 MG/L		-
TOTAL ORGANIC CARBON				1.907 MG/L		-									
TOTAL ORGANIC HALIDES				.0149 MG/L		J									
INORGANICS															
ALUMINUM	.123 MG/L		-										.014 MG/L		U
ANTIMONY													.045 MG/L		U
ARSENIC													.001 MG/L		-
BARIUM	.0753 MG/L		-										.0636 MG/L		-
BERYLLIUM	.001 MG/L		U										.001 MG/L		U
CADMIUM													.003 MG/L		UJ
CALCIUM	124 MG/L		-										122 MG/L		-
CHROMIUM	.0282 MG/L		-										.004 MG/L		U
COBALT	.01 MG/L		U										.0086 MG/L		U
COPPER	.01 MG/L		U										.0052 MG/L		U
CYANIDE													.01 MG/L		U
IRON	2.03 MG/L		-										2.23 MG/L		-
LEAD	.0047 MG/L		-										.001 MG/L		U
MAGNESIUM	31 MG/L		-										28 MG/L		-
MANGANESE													.337 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL	.02 MG/L		U										.019 MG/L		U

SAMPLE NUMBER:	066448			066448			GW930414-1			GW930414-1			GW930414-1		
LAB:	IT			IT			CORE			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM													2.94 MG/L		J
SELENIUM													.002 MG/L		UJ
SILVER	.011 MG/L		-										.003 MG/L		U
SODIUM													16.3 MG/L		-
THALLIUM													.001 MG/L		U
VANADIUM	.0184 MG/L		-										.004 MG/L		U
ZINC	.0514 MG/L		-										.006 MG/L		U
RADIONUCLIDES															
URANIUM-238				1.6 PCI/L	.4	-	1.8 PCI/L	.4	J	1.8 PCI/L	.4	R			
URANIUM, TOTAL				4 UG/L	1	-	5.2 UG/L	.4	-	5.6 UG/L	.4	-			
URANIUM-234				2 PCI/L	.4	-	2 PCI/L	.4	J	2.7 PCI/L	.5	R			
THORIUM-230				1 PCI/L		U	.3 PCI/L	.3	UJ	.3 PCI/L	.2	-			
RADIUM-226							1.4 PCI/L	.4	J	1 PCI/L	.3	UJ			
URANIUM-235/236				1 PCI/L		U	.2 PCI/L	.1	UJ	.1 PCI/L	.1	R			
THORIUM-232							.2 PCI/L	.3	UJ	.3 PCI/L	.1	U			
THORIUM, TOTAL							.9120244 PCI/L	.3	NV						
RADIUM-228							3 PCI/L	1.1	UJ	3 PCI/L	1.4	U			
THORIUM-228				1 PCI/L		U	.2 PCI/L	.5	UJ	.3 PCI/L	.1	U			
TECHNETIUM-99				30 PCI/L		UJ									
GROSS ALPHA							3.6 PCI/L	2.1	UNV	5.5 PCI/L	2.6	NV			
GROSS BETA							3.9 PCI/L	2.2	NV	9.7 PCI/L	2.4	NV			
VOLATILES															
1,1-DICHLOROETHANE				5 UG/L		U									
ACETONE				10 UG/L		U									
METHYLENE CHLORIDE				9 UG/L		U									
TETRACHLOROETHENE				5 UG/L		U									
TOLUENE				5 UG/L		U									
TRICHLOROETHENE				5 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930414-1			123336			EMGW_SYSGEN_396			EMGW_SYSGEN_396			EMGW_SYSGEN_396		
TASK:	50.03.23			10.03.08			GWMON			GWMON			GWMON		
LAB:	DATACHEM			IT			NET			NET			WMCO		
WELL OR BORING NUMBER:	2010			2010			2010			2010			2010		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-APR-93			15-JUL-93			16-JUL-91			16-JUL-91			16-JUL-91		
NORTH COORDINATE:	481460.53			481460.53			481460.53			481460.53			481460.53		
EAST COORDINATE:	1379691.07			1379691.07			1379691.07			1379691.07			1379691.07		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	270 MG/L		-							330 MG/L		NV			
AMMONIA	.05 MG/L		U							.02 MG/L		UNV			
BICARBONATE ALKALINITY	340 MG/L		-												
CARBONATE ALKALINITY	3 MG/L		U												
CHLORIDE	44 MG/L		-							30 MG/L		NV			
FLUORIDE	.2 MG/L		-							.16 MG/L		NV			
NITRATE	.05 MG/L		U							.02 MG/L		UNV			
NITRATE, AS NITROGEN										.02 MG/L		UNV			
PH	7.3 SU		-	10 UG/L		UJ				7.04 SU		NV			
PHENOLS	.01 MG/L		U							.005 MG/L		UNV			
PHOSPHORUS	.15 MG/L		-							.12 MG/L		NV			
SPECIFIC CONDUCTIVITY	840 UMHOS/CM		-							995 UMHOS/CM		NV			
SULFATE	110 MG/L		-							204 MG/L		NV			
TOTAL DISSOLVED SOLIDS										660 MG/L		NV			
TOTAL KJELDAHL NITROGEN	.1 MG/L		-												
TOTAL ORGANIC CARBON	1 MG/L		UJ							10 MG/L		NV			
TOTAL ORGANIC HALIDES	.01 MG/L		UJ												
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL SOLIDS	570 MG/L		-												
INORGANICS															
ALUMINUM	.014 MG/L		U				.2 MG/L		UNV	.2 MG/L		NV			
ANTIMONY	.045 MG/L		U				.02 MG/L		UNV	.02 MG/L		UNV			
ARSENIC	.0083 MG/L		-				.005 MG/L		UNV	.005 MG/L		UNV			
BARIUM	.0851 MG/L		-				.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM	.001 MG/L		U				.05 MG/L		UNV	.05 MG/L		UNV			

SAMPLE NUMBER:	GW930414-1			123336			EMGW_SYSGEN_396			EMGW_SYSGEN_396			EMGW_SYSGEN_396		
LAB:	DATACHEM			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM	.003 MG/L		UJ				.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM	125 MG/L		-				157 MG/L		NV	152 MG/L		NV			
CHROMIUM	.004 MG/L		U							.002 MG/L		UNV			
COBALT	.006 MG/L		U				.005 MG/L		UNV	.005 MG/L		UNV			
COPPER	.004 MG/L		U				.02 MG/L		UNV	.02 MG/L		UNV			
CYANIDE	.01 MG/L		U							.005 MG/L		UNV			
IRON	26.7 MG/L		-				1.59 MG/L		NV	4.67 MG/L		NV			
LEAD	.001 MG/L		U				.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM	29.6 MG/L		-				28 MG/L		NV	31 MG/L		NV			
MANGANESE	.398 MG/L		-				.874 MG/L		NV	.9 MG/L		NV			
MERCURY	.0002 MG/L		U				.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM				.02 MG/L		U	.01 MG/L		UNV	.01 MG/L		UNV			
NICKEL	.019 MG/L		U				.01 MG/L		UNV	.01 MG/L		UNV			
POTASSIUM	2.81 MG/L		J				3.4 MG/L		NV	3.4 MG/L		NV			
SELENIUM	.002 MG/L		UJ				.005 MG/L		UNV	.005 MG/L		UNV			
SILVER	.003 MG/L		U				.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM	17.9 MG/L		-				15 MG/L		NV	15 MG/L		NV			
THALLIUM	.001 MG/L		U				.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM	.004 MG/L		U				.05 MG/L		UNV	.05 MG/L		UNV			
ZINC	.006 MG/L		U				.023 MG/L		NV	.051 MG/L		NV			
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM, TOTAL													8.9 UG/L		NV
NEPTUNIUM-237				.5 PCI/L	.15	U									
PLUTONIUM-239/240				.5 PCI/L	0	UJ									
PLUTONIUM-238				.5 PCI/L	.07	UJ									
STRONTIUM-90				1 PCI/L	.365	UJ									
RUTHENIUM-106				150 PCI/L		UJ									
CESIUM-137				12.1 PCI/L		UJ									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		UJ									
1,2-DICHLOROBENZENE				10 UG/L		UJ									
1,3-DICHLOROBENZENE				10 UG/L		UJ									
1,4-DICHLOROBENZENE				10 UG/L		UJ									
2,4,5-TRICHLOROPHENOL				25 UG/L		UJ									

SAMPLE NUMBER:	GW930414-1			123336			EMGW_SYSGEN_396			EMGW_SYSGEN_396			EMGW_SYSGEN_396		
LAB:	DATACHEM			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4,6-TRICHLOROPHENOL				10 UG/L		UJ									
2,4-DICHLOROPHENOL				10 UG/L		UJ									
2,4-DIMETHYLPHENOL				10 UG/L		UJ									
2,4-DINITROPHENOL				25 UG/L		UJ									
2,4-DINITROTOLUENE				10 UG/L		UJ									
2,6-DINITROTOLUENE				10 UG/L		UJ									
2-BENZYL-4-CHLOROPHENOL				10 UG/L		UJ									
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
2-CHLORONAPHTHALENE				10 UG/L		UJ									
2-CHLOROPHENOL				10 UG/L		UJ									
2-METHYLNAPHTHALENE				10 UG/L		UJ									
2-METHYLPHENOL				10 UG/L		UJ									
2-NITROANILINE				25 UG/L		UJ									
2-NITROPHENOL				10 UG/L		UJ									
3,3'-DICHLOROBENZIDINE				10 UG/L		UJ									
3-NITROANILINE				25 UG/L		UJ									
4,6-DINITRO-2-METHYLPHENOL				25 UG/L		UJ									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		UJ									
4-CHLORO-3-METHYLPHENOL				10 UG/L		UJ									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		UJ									
4-METHYLPHENOL				10 UG/L		UJ									
4-NITROANILINE				25 UG/L		UJ									
4-NITROPHENOL				25 UG/L		UJ									
ACENAPHTHENE				10 UG/L		UJ									
ACENAPHTHYLENE				10 UG/L		UJ									
ANTHRACENE				10 UG/L		UJ									
BENZO(A)ANTHRACENE				10 UG/L		UJ									
BENZO(A)PYRENE				10 UG/L		UJ									
BENZO(B)FLUORANTHENE				10 UG/L		UJ									
BENZO(G,H,I)PERYLENE				10 UG/L		UJ									
BENZO(K)FLUORANTHENE				10 UG/L		UJ									
BENZOIC ACID				50 UG/L		UJ									
BENZYL ALCOHOL				10 UG/L		UJ									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		UJ									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		UJ									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		UJ									
BIS(2-ETHYLHEXYL)PHTHALATE				1 UG/L		J									
BUTYL BENZYL PHTHALATE				10 UG/L		UJ									
CARBAZOLE				10 UG/L		UJ									
CHRYSENE				10 UG/L		UJ									
DI-N-BUTYL PHTHALATE				10 UG/L		UJ									

SAMPLE NUMBER:	GW930414-1			123336			EMGW_SYSGEN_396			EMGW_SYSGEN_396			EMGW_SYSGEN_396		
LAB:	DATACHEM			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DI-N-OCTYL PHTHALATE				10 UG/L		UJ									
DIBENZO(A,H)ANTHRACENE				10 UG/L		UJ									
DIBENZOFURAN				10 UG/L		UJ									
DIETHYL PHTHALATE				10 UG/L		UJ									
DIMETHYL PHTHALATE				10 UG/L		UJ									
FLUORANTHENE				10 UG/L		UJ									
FLUORENE				10 UG/L		UJ									
HEXACHLOROBENZENE				10 UG/L		UJ									
HEXACHLOROBUTADIENE				10 UG/L		UJ									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		UJ									
HEXACHLOROETHANE				10 UG/L		UJ									
INDENO(1,2,3-CD)PYRENE				10 UG/L		UJ									
ISOPHORONE				10 UG/L		UJ									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		UJ									
N-NITROSODIPHENYLAMINE				10 UG/L		UJ									
NAPHTHALENE				10 UG/L		UJ									
NITROBENZENE				10 UG/L		UJ									
P-CHLOROANILINE				10 UG/L		UJ									
PENTACHLOROPHENOL				25 UG/L		UJ									
PHENANTHRENE				10 UG/L		UJ									
PHENOL	.01 MG/L		U	10 UG/L		UJ				.005 MG/L		UNV			
PYRENE				10 UG/L		UJ									
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U							1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U							1 UG/L		UNV			
1,1,2-TRICHLOROETHANE	10 UG/L		U							1 UG/L		UNV			
1,1-DICHLOROETHANE	10 UG/L		U							1 UG/L		UNV			
1,1-DICHLOROETHENE	10 UG/L		U							1 UG/L		UNV			
1,2-DICHLOROETHANE	10 UG/L		U							1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U							1 UG/L		UNV			
1,2-DICHLOROPROPANE	10 UG/L		U							1 UG/L		UNV			
2-BUTANONE	10 UG/L		U							2 UG/L		UNV			
2-HEXANONE	10 UG/L		U							2 UG/L		UNV			
4-METHYL-2-PENTANONE	10 UG/L		U							2 UG/L		UNV			
ACETONE	10 UG/L		U							2 UG/L		UNV			
BENZENE	10 UG/L		U							1 UG/L		UNV			
BROMODICHLOROMETHANE	10 UG/L		U							1 UG/L		UNV			
BROMOFORM	10 UG/L		U							1 UG/L		UNV			
BROMOMETHANE	10 UG/L		U							1 UG/L		UNV			
CARBON DISULFIDE	10 UG/L		U							1 UG/L		UNV			

SAMPLE NUMBER:	GW930414-1			123336			EMGW_SYSGEN_396			EMGW_SYSGEN_396			EMGW_SYSGEN_396		
LAB:	DATACHEM			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE	10 UG/L		U							1 UG/L		UNV			
CHLOROBENZENE	10 UG/L		U							1 UG/L		UNV			
CHLOROETHANE	10 UG/L		U							1 UG/L		UNV			
CHLOROFORM	10 UG/L		U							1 UG/L		UNV			
CHLOROMETHANE	10 UG/L		UJ							1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE	10 UG/L		U							1 UG/L		UNV			
DIBROMOCHLOROMETHANE	10 UG/L		U							1 UG/L		UNV			
ETHYLBENZENE	10 UG/L		U							1 UG/L		UNV			
METHYLENE CHLORIDE	10 UG/L		U							1 UG/L		UNV			
STYRENE	10 UG/L		U							1 UG/L		UNV			
TETRACHLOROETHENE	10 UG/L		U							1 UG/L		UNV			
TOLUENE	10 UG/L		U							1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U							1 UG/L		UNV			
TRICHLOROETHENE	10 UG/L		U							1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE	10 UG/L		U							1 UG/L		UNV			
XYLENES, TOTAL	10 UG/L		U							1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003195	003195	GW930118-4	GW930118-4	GW930118-4
TASK:	3.2.4	3.2.4	RCRA	RCRA	RCRA
LAB:	IT	IT	CORE	FERMCO Laboratory	NET
WELL OR BORING NUMBER:	2010	2010	2010	2010	2010
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-MAY-88	17-MAY-88	18-JAN-93	18-JAN-93	18-JAN-93
NORTH COORDINATE:	481460.53	481460.53	481460.53	481460.53	481460.53
EAST COORDINATE:	1379691.07	1379691.07	1379691.07	1379691.07	1379691.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		-									
CHLORIDE				27 MG/L		-									
FLUORIDE				.2 MG/L		-									
HEXAVALENT CHROMIUM				.02 MG/L		R									
NITRATE				.02 MG/L		R									
PHOSPHATE				.03 MG/L		J									
SULFATE				160 MG/L		J									
TOTAL DISSOLVED SOLIDS													585 MG/L		NV
TOTAL KJELDAHL NITROGEN				.00045 MG/L		J									
INORGANICS															
ALUMINUM	.1 MG/L		UNV										.2 MG/L		UNV
ANTIMONY	.05 MG/L		UNV										.02 MG/L		UNV
ARSENIC	.005 MG/L		UNV										.005 MG/L		UNV
BARIUM	.0873 MG/L		NV										.2 MG/L		UNV
BERYLLIUM	.005 MG/L		UNV										.005 MG/L		UNV
CADMIUM	.005 MG/L		UNV										.001 MG/L		UNV
CALCIUM	130 MG/L		NV										135 MG/L		NV
CHROMIUM	.01 MG/L		UNV										.002 MG/L		UNV
COBALT	.01 MG/L		UNV										.005 MG/L		UNV
COPPER	.01 MG/L		UNV										.02 MG/L		UNV
CYANIDE				.01 MG/L		U									
IRON	.265 MG/L		NV										8.72 MG/L		NV
LEAD	.005 MG/L		UNV										.003 MG/L		UNV
MAGNESIUM	32.4 MG/L		NV										33.1 MG/L		NV
MANGANESE	.329 MG/L		NV										.44 MG/L		NV

SAMPLE NUMBER:	003195			003195			GW930118-4			GW930118-4			GW930118-4		
LAB:	IT			IT			CORE			FERMCO Laboratory			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MERCURY	.0002 MG/L		UNV										.0002 MG/L		UNV
MOLYBDENUM	.04 MG/L		NV										.01 MG/L		UNV
NICKEL	.03 MG/L		UNV										.01 MG/L		UNV
POTASSIUM	3.31 MG/L		NV												
SELENIUM	.005 MG/L		UNV										.005 MG/L		UNV
SILVER	.01 MG/L		UNV										.001 MG/L		UNV
SODIUM	14.6 MG/L		NV												
THALLIUM	.005 MG/L		UNV										.01 MG/L		UNV
VANADIUM	.01 MG/L		UNV										.05 MG/L		UNV
ZINC	.0248 MG/L		NV										.02 MG/L		UNV
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL				5 UG/L		UNV									
DEMETON				1 UG/L		UNV									
DIAZINON				.5 UG/L		UNV									
DISULFOTON				.5 UG/L		UNV									
ETHION				.2 UG/L		UNV									
MALATHION				1 UG/L		UNV									
METHYL PARATHION				1 UG/L		UNV									
PARATHION				.5 UG/L		UNV									
PESTICIDES															
4,4'-DDD				.1 UG/L		UNV									
4,4'-DDE				.1 UG/L		UNV									
4,4'-DDT				.1 UG/L		UNV									
ALDRIN				.05 UG/L		UNV									
ALPHA-BHC				.05 UG/L		UNV									
ALPHA-CHLORDANE				.5 UG/L		UNV									
AROCLOR-1016				.5 UG/L		UNV									
AROCLOR-1221				.5 UG/L		UNV									
AROCLOR-1232				.5 UG/L		UNV									
AROCLOR-1242				.5 UG/L		UNV									
AROCLOR-1248				.5 UG/L		UNV									
AROCLOR-1254				1 UG/L		UNV									
AROCLOR-1260				1 UG/L		UNV									
BETA-BHC				.05 UG/L		UNV									
DELTA-BHC				.05 UG/L		UNV									
DIELDRIN				.1 UG/L		UNV									
ENDOSULFAN II				.1 UG/L		UNV									
ENDOSULFAN SULFATE				.1 UG/L		UNV									

SAMPLE NUMBER:	003195			003195			GW930118-4			GW930118-4			GW930118-4		
LAB:	IT			IT			CORE			FERMCO Laboratory			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDOSULFAN-I				.05 UG/L		UNV									
ENDRIN				.1 UG/L		UNV									
ENDRIN KETONE				.1 UG/L		UNV									
GAMMA-BHC (LINDANE)				.05 UG/L		UNV									
GAMMA-CHLORDANE				.5 UG/L		UNV									
HEPTACHLOR				.05 UG/L		UNV									
HEPTACHLOR EPOXIDE				.05 UG/L		UNV									
METHOXYCHLOR				.5 UG/L		UNV									
TOXAPHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238				4.4 PCI/L	.6	-									
URANIUM, TOTAL				21 UG/L	4	-	7.6 UG/L		NV	5.8 UG/L		NV			
URANIUM-234				4.3 PCI/L	.6	-									
THORIUM-230				2 PCI/L	.7	-	.4 PCI/L	.1	NV						
RADIUM-226				1 PCI/L		U	1 PCI/L	.4	UNV						
URANIUM-235/236				1 PCI/L		U									
THORIUM-232				1.1 PCI/L	.5	-	.2 PCI/L	.1	UNV						
THORIUM, TOTAL				10.03227 PCI/L	.5	NV	.7 UG/L		NV						
RADIUM-228				3 PCI/L		R	3 PCI/L	1	UNV						
THORIUM-228				1.4 PCI/L	.6	-	.2 PCI/L	.1	UNV						
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				31.5 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA							6.2 PCI/L	2.6	NV						
GROSS BETA							2.2 PCI/L	2.8	NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		UNV									
1,2-DICHLOROBENZENE				10 UG/L		UNV									
1,3-DICHLOROBENZENE				10 UG/L		UNV									
1,4-DICHLOROBENZENE				10 UG/L		UNV									
2,4,5-TRICHLOROPHENOL				50 UG/L		UNV									
2,4,6-TRICHLOROPHENOL				10 UG/L		UNV									
2,4-DICHLOROPHENOL				10 UG/L		UNV									
2,4-DIMETHYLPHENOL				10 UG/L		UNV									

SAMPLE NUMBER:	003195	003195	GW930118-4	GW930118-4	GW930118-4
LAB:	IT	IT	CORE	FERMCO Laboratory	NET
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DINITROPHENOL				50 UG/L		UNV									
2,4-DINITROTOLUENE				10 UG/L		UNV									
2,6-DINITROTOLUENE				10 UG/L		UNV									
2-CHLORONAPHTHALENE				10 UG/L		UNV									
2-CHLOROPHENOL				10 UG/L		UNV									
2-METHYLNAPHTHALENE				10 UG/L		UNV									
2-METHYLPHENOL				10 UG/L		UNV									
2-NITROANILINE				50 UG/L		UNV									
2-NITROPHENOL				10 UG/L		UNV									
3,3'-DICHLOROBENZIDINE				20 UG/L		UNV									
3-NITROANILINE				50 UG/L		UNV									
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		UNV									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		UNV									
4-CHLORO-3-METHYLPHENOL				10 UG/L		UNV									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		UNV									
4-METHYLPHENOL				10 UG/L		UNV									
4-NITROANILINE				50 UG/L		UNV									
4-NITROPHENOL				50 UG/L		UNV									
ACENAPHTHENE				10 UG/L		UNV									
ACENAPHTHYLENE				10 UG/L		UNV									
ANTHRACENE				10 UG/L		UNV									
BENZO(A)ANTHRACENE				10 UG/L		UNV									
BENZO(A)PYRENE				10 UG/L		UNV									
BENZO(B)FLUORANTHENE				10 UG/L		UNV									
BENZO(G,H,I)PERYLENE				10 UG/L		UNV									
BENZO(K)FLUORANTHENE				10 UG/L		UNV									
BENZOIC ACID				50 UG/L		UNV									
BENZYL ALCOHOL				10 UG/L		UNV									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		UNV									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		UNV									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		UNV									
BIS(2-ETHYLHEXYL)PHTHALATE				34 UG/L		NV									
BUTYL BENZYL PHTHALATE				10 UG/L		UNV									
CHRYSENE				10 UG/L		UNV									
DI-N-BUTYL PHTHALATE				3 UG/L		NV									
DI-N-OCTYL PHTHALATE				10 UG/L		UNV									
DIBENZO(A,H)ANTHRACENE				10 UG/L		UNV									
DIBENZOFURAN				10 UG/L		UNV									
DIETHYL PHTHALATE				7 UG/L		NV									
DIMETHYL PHTHALATE				10 UG/L		UNV									
FLUORANTHENE				10 UG/L		UNV									

SAMPLE NUMBER:	003195	003195	GW930118-4	GW930118-4	GW930118-4
LAB:	IT	IT	CORE	FERMCO Laboratory	NET
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORENE				10 UG/L		UNV									
HEXACHLOROBENZENE				10 UG/L		UNV									
HEXACHLOROBUTADIENE				10 UG/L		UNV									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		UNV									
HEXACHLOROETHANE				10 UG/L		UNV									
INDENO(1,2,3-CD)PYRENE				10 UG/L		UNV									
ISOPHORONE				10 UG/L		UNV									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		UNV									
N-NITROSODIPHENYLAMINE				10 UG/L		UNV									
NAPHTHALENE				10 UG/L		UNV									
NITROBENZENE				10 UG/L		UNV									
P-CHLOROANILINE				10 UG/L		UNV									
PENTACHLOROPHENOL				50 UG/L		UNV									
PHENANTHRENE				10 UG/L		UNV									
PHENOL				11 UG/L		J									
PYRENE				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		UNV									
1,1,2-TRICHLOROETHANE				5 UG/L		UNV									
1,1-DICHLOROETHANE				5 UG/L		UNV									
1,1-DICHLOROETHENE				5 UG/L		UNV									
1,2-DICHLOROETHANE				5 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		UNV									
1,2-DICHLOROPROPANE				5 UG/L		UNV									
2-BUTANONE				10 UG/L		UNV									
2-HEXANONE				10 UG/L		UNV									
4-METHYL-2-PENTANONE				10 UG/L		UNV									
ACETONE				8 UG/L		NV									
BENZENE				1 UG/L		NV									
BROMODICHLOROMETHANE				5 UG/L		UNV									
BROMOFORM				5 UG/L		UNV									
BROMOMETHANE				10 UG/L		UNV									
CARBON DISULFIDE				5 UG/L		UNV									
CARBON TETRACHLORIDE				5 UG/L		UNV									
CHLOROBENZENE				5 UG/L		UNV									
CHLOROETHANE				10 UG/L		UNV									
CHLOROFORM				5 UG/L		UNV									
CHLOROMETHANE				10 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				5 UG/L		UNV									

SAMPLE NUMBER:	003195			003195			GW930118-4			GW930118-4			GW930118-4		
LAB:	IT			IT			CORE			FERMCO Laboratory			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
DIBROMOCHLOROMETHANE				5 UG/L		UNV									
ETHYLBENZENE				5 UG/L		UNV									
METHYLENE CHLORIDE				9 UG/L		NV									
STYRENE				5 UG/L		UNV									
TETRACHLOROETHENE				5 UG/L		UNV									
TOLUENE				5 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		UNV									
TRICHLOROETHENE				5 UG/L		UNV									
VINYL ACETATE				10 UG/L		UNV									
VINYL CHLORIDE				10 UG/L		UNV									
XYLENES, TOTAL				5 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930118-4	EMGW_SYSGEN_390	EMGW_SYSGEN_390	EMGW_SYSGEN_390	EMGW_SYSGEN_394
TASK:	RCRA	GWMON	GWMON	GWMON	GWMON
LAB:	NET	IT	NET	NET	IT
WELL OR BORING NUMBER:	2010	2010	2010	2010	2010
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-JAN-93	23-FEB-90	23-FEB-90	23-FEB-90	25-FEB-91
NORTH COORDINATE:	481460.53	481460.53	481460.53	481460.53	481460.53
EAST COORDINATE:	1379691.07	1379691.07	1379691.07	1379691.07	1379691.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	260 MG/L		NV												
ALLYL CHLORIDE	5 UG/L		UNV												
AMMONIA	.03 MG/L		NV												
BICARBONATE ALKALINITY	360 MG/L		NV												
CARBONATE ALKALINITY	3 MG/L		UNV												
CHLORIDE	39 MG/L		NV							39 MG/L		NV			
FLUORIDE	.13 MG/L		NV							.25 MG/L		NV			
NITRATE	.03 MG/L		NV							.05 MG/L		NV			
NITRATE, AS NITROGEN										.05 MG/L		NV			
NITRITE, AS NITROGEN	.02 MG/L		UNV												
PH	7.29 SU		NV							.005 MG/L		UNV			
PHENOLS	.005 MG/L		UNV							.005 MG/L		UNV			
PHOSPHORUS	.1 MG/L		UNV												
SPECIFIC CONDUCTIVITY	978 UMHOS/CM		NV												
SULFATE	197 MG/L		NV							157 MG/L		NV			
TOTAL ORGANIC CARBON	1 MG/L		UNV							1 MG/L		UNV			
TOTAL ORGANIC HALIDES	.01 MG/L		UNV												
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL SOLIDS	594 MG/L		NV												
INORGANICS															
ALUMINUM	.2 MG/L		UNV				.05 MG/L		UNV	5.06 MG/L		NV			
ANTIMONY	.02 MG/L		UNV												
ARSENIC	.0078 MG/L		NV				.0025 MG/L		UNV	.017 MG/L		NV			
BARIUM	.2 MG/L		UNV				.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM	.005 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV			

SAMPLE NUMBER:	GW930118-4			EMGW_SYSGEN_390			EMGW_SYSGEN_390			EMGW_SYSGEN_390			EMGW_SYSGEN_394		
LAB:	NET			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM	.001 MG/L		UNV												
CALCIUM	151 MG/L		NV				128 MG/L		NV	183 MG/L		NV			
CHROMIUM	.002 MG/L		UNV							.005 MG/L		UNV			
COBALT	.005 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV			
COPPER	.02 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV			
CYANIDE	.005 MG/L		UNV												
IRON	19.4 MG/L		NV				.05 MG/L		UNV	33.6 MG/L		NV			
LEAD	.003 MG/L		UNV				.005 MG/L		UNV	.012 MG/L		NV			
MAGNESIUM	33.4 MG/L		NV				29.2 MG/L		NV	42.7 MG/L		NV			
MANGANESE	.48 MG/L		NV				.576 MG/L		NV	1.36 MG/L		NV			
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	.01 MG/L		UNV												
NICKEL	.01 MG/L		UNV				.005 MG/L		UNV	.023 MG/L		NV			
POTASSIUM	3.6 MG/L		NV												
SELENIUM	.005 MG/L		UNV												
SILVER	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM	16 MG/L		NV				20.4 MG/L		NV	38.6 MG/L		NV			
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV			
ZINC	.02 MG/L		UNV				.02 MG/L		UNV	.039 MG/L		NV			
MISC															
1,2,3-TRICHLOROPROPANE	5 UG/L		UNV												
1,2-DIBROMO-3-CHLOROPROPANE	2 UG/L		UNV												
1,2-DIBROMOETHANE	2 UG/L		UNV												
2-CHLORO-1,3-BUTADIENE	5 UG/L		UNV												
ACROLEIN	50 UG/L		UNV												
ACROLEIN	50 UG/L		UNV												
ACROLEIN	50 UG/L		UNV												
ACROLEIN	50 UG/L		UNV												
ACRYLONITRILE	50 UG/L		UNV												
DICHLORODIFLUOROMETHANE	10 UG/L		UNV												
ETHYL CYANIDE	20 UG/L		UNV												
ETHYL METHACRYLATE	5 UG/L		UNV												
IODOMETHANE	5 UG/L		UNV												
METHACRYLONITRILE	5 UG/L		UNV												
METHYL METHACRYLATE	5 UG/L		UNV												
PENTACHLOROETHANE	5 UG/L		UNV												
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
TRANS-1,4-DICHLORO-2-BUTENE	20 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930118-4			EMGW_SYSGEN_390			EMGW_SYSGEN_390			EMGW_SYSGEN_390			EMGW_SYSGEN_394		
LAB:	NET			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238				4 PCI/L		NV							7.69 PCI/L		NV
URANIUM, TOTAL				12.1 UG/L		NV							6.02 UG/L		NV
URANIUM-234				5.1 PCI/L		NV							6.92 PCI/L		NV
THORIUM-230				1 PCI/L		UNV							.489 PCI/L		NV
RADIUM-226													1 PCI/L		UNV
URANIUM-235/236													.49 PCI/L		UNV
THORIUM-232													.221 PCI/L		NV
THORIUM, TOTAL													1.99 UG/L		NV
RADIUM-228													3 PCI/L		UNV
THORIUM-228				1 PCI/L		UNV							.961 PCI/L		NV
NEPTUNIUM-237													.5 PCI/L		UNV
PLUTONIUM-239/240													.5 PCI/L		UNV
PLUTONIUM-238													.5 PCI/L		UNV
TECHNETIUM-99													21 PCI/L		UNV
RUTHENIUM-106													150 PCI/L		UNV
CESIUM-137													8.9 PCI/L		UNV
GROSS ALPHA													12.5 PCI/L		NV
GROSS BETA													12.8 PCI/L		NV
URANIUM-235				1 PCI/L		UNV							.49 PCI/L		UNV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
CUMENE	1 UG/L		UNV												
VOLATILES															
1,1,1,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	10 UG/L		UNV												
2-HEXANONE	10 UG/L		UNV												
4-METHYL-2-PENTANONE	10 UG/L		UNV												
ACETONE	10 UG/L		UNV							2 UG/L		UNV			

SAMPLE NUMBER:	GW930118-4			EMGW_SYSGEN_390			EMGW_SYSGEN_390			EMGW_SYSGEN_390			EMGW_SYSGEN_394		
LAB:	NET			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	5 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	10 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	10 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	10 UG/L		UNV							1 UG/L		UNV			
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
TOLUENE	1 UG/L		UNV							1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
TRICHLOROFLUOROMETHANE	1 UG/L		UNV												
VINYL ACETATE	10 UG/L		UNV												
VINYL CHLORIDE	5 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_394	EMGW_SYSGEN_394	066690	066691	066691
TASK:	GWMON	GWMON	9.27	9.27	9.27
LAB:	NET	NET	IT	WMCO	WMCO
WELL OR BORING NUMBER:	2010	2010	2010	2010	2010
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-FEB-91	25-FEB-91	27-NOV-89	27-NOV-89	27-NOV-89
NORTH COORDINATE:	481460.53	481460.53	481460.53	481460.53	481460.53
EAST COORDINATE:	1379691.07	1379691.07	1379691.07	1379691.07	1379691.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	F-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				278 MG/L		NV									
AMMONIA				.02 MG/L		UNV									
CHLORIDE				34 MG/L		NV							33 MG/L		NV
FLUORIDE				.14 MG/L		NV							.18 MG/L		NV
NITRATE				.04 MG/L		NV							.09 MG/L		NV
NITRATE, AS NITROGEN				.04 MG/L		NV									
PH				6.99 SU		NV							.005 MG/L		NV
PHENOLS				.005 MG/L		UNV							.005 MG/L		NV
PHOSPHORUS				.36 MG/L		NV									
SPECIFIC CONDUCTIVITY				824 UMHOS/CM		NV									
SULFATE				151 MG/L		NV							546 MG/L		NV
TOTAL DISSOLVED SOLIDS				526 MG/L		NV									
TOTAL ORGANIC CARBON				15 MG/L		NV							3 MG/L		NV
TOTAL ORGANIC HALIDES													.01 MG/L		UNV
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM	.5 MG/L		UNV	1.55 MG/L		NV				.05 MG/L		UNV	.07 MG/L		NV
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV									
ARSENIC	.0025 MG/L		UNV	.01 MG/L		NV				.0025 MG/L		UNV	.0025 MG/L		UNV
BARIUM	.2 MG/L		UNV	.241 MG/L		NV				.234 MG/L		NV	.393 MG/L		NV
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV									
CALCIUM	86.9 MG/L		NV	118 MG/L		NV				327 MG/L		NV	332 MG/L		NV
CHROMIUM				.005 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV
COBALT	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_394			EMGW_SYSGEN_394			066690			066691			066691		
LAB:	NET			NET			IT			WMCO			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			F-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
CYANIDE				.01 MG/L		UNV									
IRON	1.29 MG/L		NV	31.3 MG/L		NV				3.82 MG/L		NV	4.73 MG/L		NV
LEAD	.005 MG/L		UNV	.01 MG/L		NV				.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM	29.6 MG/L		NV	36.1 MG/L		NV				53 MG/L		NV	52.8 MG/L		NV
MANGANESE	.337 MG/L		NV	.527 MG/L		NV				2.82 MG/L		NV	3.17 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV									
MOLYBDENUM	.025 MG/L		UNV	.025 MG/L		UNV									
NICKEL	.005 MG/L		UNV	.008 MG/L		NV				.013 MG/L		NV	.013 MG/L		NV
POTASSIUM	3.81 MG/L		NV	4.05 MG/L		NV									
SELENIUM	.0025 MG/L		UNV	.0025 MG/L		UNV									
SILVER	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	16.7 MG/L		NV	17.1 MG/L		NV				14 MG/L		NV	11.7 MG/L		NV
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.038 MG/L		NV	.045 MG/L		NV				.033 MG/L		NV	.036 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238							8.2 PCI/L	1.1	R						
URANIUM, TOTAL							20 UG/L	3	R						
URANIUM-234							9.5 PCI/L	1.3	R						
THORIUM-230							1 PCI/L		R						
URANIUM-235/236							1 PCI/L		R						
THORIUM-232							1 PCI/L		R						
THORIUM-228							1 PCI/L		R						
TECHNETIUM-99							30 PCI/L		R						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV							2.5 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_394			EMGW_SYSGEN_394			066690			066691			066691		
LAB:	NET			NET			IT			WMCO			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			F-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV							2.5 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV							2.5 UG/L		UNV
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV							2.5 UG/L		UNV
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV							2.5 UG/L		UNV
TOLUENE				1 UG/L		UNV							2.5 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV							2.5 UG/L		UNV
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_401	EMGW_SYSGEN_403	EMGW_SYSGEN_403	EMGW_SYSGEN_404	EMGW_SYSGEN_404
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	IT	IT	NET	IT	NET
WELL OR BORING NUMBER:	2011	2011	2011	2011	2011
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-MAR-90	02-JUL-90	02-JUL-90	09-AUG-90	09-AUG-90
NORTH COORDINATE:	482271.62	482271.62	482271.62	482271.62	482271.62
EAST COORDINATE:	1377959.33	1377959.33	1377959.33	1377959.33	1377959.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE							10 MG/L		NV						
NITRATE, AS NITROGEN							.02 MG/L		UNV						
SULFATE							94 MG/L		NV						
TOTAL ORGANIC CARBON							3 MG/L		NV						
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM													.5 MG/L		UNV
ANTIMONY													.025 MG/L		UNV
ARSENIC													.0025 MG/L		UNV
BARIUM													.2 MG/L		UNV
BERYLLIUM													.01 MG/L		UNV
CADMIUM													.001 MG/L		UNV
CALCIUM													99.6 MG/L		NV
COBALT													.025 MG/L		UNV
COPPER													.025 MG/L		UNV
IRON													2.05 MG/L		NV
LEAD													.005 MG/L		UNV
MAGNESIUM													31.2 MG/L		NV
MANGANESE													.199 MG/L		NV
MERCURY													.0002 MG/L		UNV
MOLYBDENUM													.025 MG/L		UNV
NICKEL													.005 MG/L		UNV
POTASSIUM													1.38 MG/L		NV
SELENIUM													.0025 MG/L		UNV
SILVER													.001 MG/L		UNV

000713

6417

SAMPLE NUMBER:	EMGW_SYSGEN_401			EMGW_SYSGEN_403			EMGW_SYSGEN_403			EMGW_SYSGEN_404			EMGW_SYSGEN_404		
LAB:	IT			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SODIUM													12.4 MG/L		NV
THALLIUM													.01 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238	1 PCI/L		UNV	.21 PCI/L		UNV				.28 PCI/L		UNV			
URANIUM, TOTAL	1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV			
URANIUM-234	1 PCI/L		UNV	.252 PCI/L		NV				.28 PCI/L		UNV			
THORIUM-230				.2 PCI/L		UNV				.37 PCI/L		UNV			
RADIUM-226				1 PCI/L		UNV				1 PCI/L		UNV			
URANIUM-235/236				.21 PCI/L		UNV				.28 PCI/L		UNV			
THORIUM-232				.2 PCI/L		UNV				.37 PCI/L		UNV			
THORIUM, TOTAL				1.6 UG/L		UNV				3.3 UG/L		UNV			
RADIUM-228				3 PCI/L		UNV				3 PCI/L		UNV			
THORIUM-228				.651 PCI/L		NV				.37 PCI/L		UNV			
GROSS ALPHA				9.4 PCI/L		UNV									
GROSS BETA				8.9 PCI/L		UNV									
URANIUM-235	1 PCI/L		UNV	.21 PCI/L		UNV				.28 PCI/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_401			EMGW_SYSGEN_403			EMGW_SYSGEN_403			EMGW_SYSGEN_404			EMGW_SYSGEN_404		
LAB:	IT			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_404	120071-1	120071-1	120071	120071
TASK:	GWMON	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	NET	NET	NET	CORE	CORE
WELL OR BORING NUMBER:	2011	2011	2011	2011	2011
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-AUG-90	10-JUN-93	10-JUN-93	10-JUN-93	10-JUN-93
NORTH COORDINATE:	482271.62	482271.62	482271.62	482271.62	482271.62
EAST COORDINATE:	1377959.33	1377959.33	1377959.33	1377959.33	1377959.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							264 MG/L		-						
AMMONIA							.66 MG/L		-						
BICARBONATE ALKALINITY							360 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE	24 MG/L		NV				23 MG/L		-						
FLUORIDE	.21 MG/L		NV				.24 MG/L		-						
NITRATE, AS NITROGEN	.02 MG/L		UNV												
NITRATE/NITRITE							.02 MG/L		U						
PH	.029 MG/L		NV				7.36 SU		-						
PHENOLS	.029 MG/L		NV				.01 MG/L		U						
PHOSPHORUS							.1 MG/L		-						
SPECIFIC CONDUCTIVITY							640 UMHOS/CM		-						
SULFATE	81 MG/L		NV				201 MG/L		-						
TOTAL DISSOLVED SOLIDS				438 MG/L		J									
TOTAL KJELDAHL NITROGEN							.79 MG/L		-						
TOTAL ORGANIC CARBON	4 MG/L		NV				2 MG/L		-						
TOTAL ORGANIC HALIDES							.045 MG/L		-						
TOTAL ORGANIC HALOGENS	.052 MG/L		NV												
TOTAL ORGANIC NITROGEN							.13 MG/L		-						
TOTAL SOLIDS							445 MG/L		-						
INORGANICS															
ALUMINUM	.5 MG/L		UNV	.02 MG/L		U	.02 MG/L		U						
ANTIMONY	.025 MG/L		UNV	.045 MG/L		U	.045 MG/L		U						
ARSENIC	.0025 MG/L		UNV	.003 MG/L		UJ	.003 MG/L		U						
BARIUM	.2 MG/L		UNV	.129 MG/L		-	.132 MG/L		-						

SAMPLE NUMBER:	EMGW_SYSGEN_404			120071-1			120071-1			120071			120071		
LAB:	NET			NET			NET			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM	.01 MG/L		UNV	.001 MG/L		U	.001 MG/L		U						
CADMIUM	.001 MG/L		UNV	.0053 MG/L		J	.0032 MG/L		J						
CALCIUM	93.2 MG/L		NV	86.9 MG/L		-	88 MG/L		-						
CHROMIUM	.005 MG/L		UNV	.005 MG/L		U	.005 MG/L		U						
COBALT	.025 MG/L		UNV	.008 MG/L		U	.008 MG/L		U						
COPPER	.025 MG/L		UNV	.0052 MG/L		U	.0059 MG/L		U						
CYANIDE				.01 MG/L		UJ	.01 MG/L		U						
IRON	2.48 MG/L		NV	1.78 MG/L		-	1.87 MG/L		-						
LEAD	.005 MG/L		UNV	.0024 MG/L		UJ	.002 MG/L		U						
MAGNESIUM	27.6 MG/L		NV	22.8 MG/L		-	23.2 MG/L		-						
MANGANESE	.184 MG/L		NV	.185 MG/L		-	.189 MG/L		-						
MERCURY	.0002 MG/L		UNV	.0002 MG/L		U	.0002 MG/L		U						
MOLYBDENUM	.025 MG/L		UNV												
NICKEL	.005 MG/L		UNV	.02 MG/L		U	.02 MG/L		U						
POTASSIUM	1.74 MG/L		NV	2.07 MG/L		U	1.2 MG/L		U						
SELENIUM	.0025 MG/L		UNV	.001 MG/L		U	.001 MG/L		U						
SILVER	.001 MG/L		UNV	.007 MG/L		UJ	.007 MG/L		UJ						
SODIUM	11.5 MG/L		NV	10.5 MG/L		-	11.3 MG/L		J						
THALLIUM	.01 MG/L		UNV	.002 MG/L		U	.002 MG/L		U						
VANADIUM	.05 MG/L		UNV	.003 MG/L		U	.003 MG/L		U						
ZINC	.02 MG/L		UNV	.0282 MG/L		U	.0138 MG/L		U						
RADIONUCLIDES															
URANIUM-238										.2 PCI/L	.3	UJ	.4 PCI/L	.3	J
URANIUM, TOTAL										.1 UG/L	.1	U	.1 UG/L	.1	UJ
URANIUM-234										.2 PCI/L	.3	UJ	28.7 PCI/L	3.5	J
THORIUM-230										.2 PCI/L	.2	UJ	.3 PCI/L	.2	UJ
RADIUM-226										1 PCI/L	.4	UJ	1 PCI/L	.2	UJ
URANIUM-235/236										.2 PCI/L	.5	UJ	1.1 PCI/L	.4	J
THORIUM-232										.2 PCI/L	.1	UJ	.2 PCI/L	.2	UJ
RADIUM-228										3 PCI/L	.8	UJ	3 PCI/L	1.2	U
THORIUM-228										.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ
GROSS ALPHA										2.8 PCI/L	1.3	UNV	2.4 PCI/L	1.4	UNV
GROSS BETA										3.6 PCI/L	1.4	NV	2.4 PCI/L	1.4	UNV
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				10 UG/L		U						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				10 UG/L		U						
1,1-DICHLOROETHANE	1 UG/L		UNV				10 UG/L		U						

SAMPLE NUMBER:	EMGW_SYSGEN_404			120071-1			120071-1			120071			120071		
LAB:	NET			NET			NET			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHENE	1 UG/L		UNV				10 UG/L		U						
1,2-DICHLOROETHANE	1 UG/L		UNV				10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				10 UG/L		U						
1,2-DICHLOROPROPANE	1 UG/L		UNV				10 UG/L		U						
2-BUTANONE	2 UG/L		UNV				10 UG/L		U						
2-HEXANONE	2 UG/L		UNV				10 UG/L		U						
4-METHYL-2-PENTANONE	2 UG/L		UNV				10 UG/L		U						
ACETONE	60 UG/L		NV				36 UG/L		U						
BENZENE	1 UG/L		UNV				10 UG/L		U						
BROMODICHLOROMETHANE	1 UG/L		UNV				10 UG/L		U						
BROMOFORM	1 UG/L		UNV				10 UG/L		U						
BROMOMETHANE	1 UG/L		UNV				10 UG/L		U						
CARBON DISULFIDE	1 UG/L		UNV				2 UG/L		J						
CARBON TETRACHLORIDE	1 UG/L		UNV				10 UG/L		U						
CHLOROBENZENE	1 UG/L		UNV				10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM	1 UG/L		UNV				10 UG/L		U						
CHLOROMETHANE	1 UG/L		UNV				10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				10 UG/L		U						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				10 UG/L		U						
ETHYLBENZENE	1 UG/L		UNV				10 UG/L		U						
METHYLENE CHLORIDE	1 UG/L		UNV				10 UG/L		U						
STYRENE	1 UG/L		UNV				10 UG/L		U						
TETRACHLOROETHENE	1 UG/L		UNV				10 UG/L		U						
TOLUENE	1 UG/L		UNV				10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				10 UG/L		U						
TRICHLOROETHENE	1 UG/L		UNV				10 UG/L		U						
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV				10 UG/L		U						
XYLENES, TOTAL	1 UG/L		UNV				10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120071			066841			066888			123352			123354		
TASK:	50.03.23			9.27			9.27			10.03.08			10.03.08		
LAB:	FERMCO			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2011			2011			2011			2011			2011		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	10-JUN-93			14-DEC-89			14-DEC-89			15-JUL-93			15-JUL-93		
NORTH COORDINATE:	482271.62			482271.62			482271.62			482271.62			482271.62		
EAST COORDINATE:	1377959.33			1377959.33			1377959.33			1377959.33			1377959.33		
QA TYPE:	NORMAL			NORMAL			DUPLICATE			NORMAL			DUPLICATE		
QC OF:							066841						123352		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM										.02 MG/L		U	.02 MG/L		U
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U	1 PCI/L		U						
URANIUM, TOTAL	.1 UG/L		UNV	1 UG/L		U	1 UG/L		U						
URANIUM-234				1 PCI/L		U	1 PCI/L		U						
THORIUM-230				1 PCI/L		U	1 PCI/L		U						
URANIUM-235/236				1 PCI/L		U	1 PCI/L		U						
THORIUM-228				1 PCI/L		U	1 PCI/L		U						
NEPTUNIUM-237										.5 PCI/L	.0214	UJ	.5 PCI/L	.101	UJ
PLUTONIUM-239/240										.5 PCI/L	.102	UJ	.5 PCI/L	.0178	UJ
PLUTONIUM-238										.5 PCI/L	.053	UJ	.5 PCI/L	.064	UJ
STRONTIUM-90										1 PCI/L	.372	UJ	1 PCI/L	.372	UJ
TECHNETIUM-99				30 PCI/L		U	30 PCI/L		U						
RUTHENIUM-106										150 PCI/L		UJ	150 PCI/L		UJ
CESIUM-137										12.1 PCI/L		UJ	12 PCI/L		UJ
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		UJ	10 UG/L		UJ
1,2-DICHLOROBENZENE										10 UG/L		UJ	10 UG/L		UJ
1,3-DICHLOROBENZENE										10 UG/L		UJ	10 UG/L		UJ
1,4-DICHLOROBENZENE										10 UG/L		UJ	10 UG/L		UJ
2,4,5-TRICHLOROPHENOL										25 UG/L		UJ	25 UG/L		UJ
2,4,6-TRICHLOROPHENOL										10 UG/L		UJ	10 UG/L		UJ
2,4-DICHLOROPHENOL										10 UG/L		UJ	10 UG/L		UJ

SAMPLE NUMBER:	120071			066841			066888			123352			123354		
LAB:	FERMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DIMETHYLPHENOL										10 UG/L		UJ	10 UG/L		UJ
2,4-DINITROPHENOL										25 UG/L		UJ	25 UG/L		UJ
2,4-DINITROTOLUENE										10 UG/L		UJ	10 UG/L		UJ
2,6-DINITROTOLUENE										10 UG/L		UJ	10 UG/L		UJ
2-CHLORONAPHTHALENE										10 UG/L		UJ	10 UG/L		UJ
2-CHLOROPHENOL										10 UG/L		UJ	10 UG/L		UJ
2-METHYLNAPHTHALENE										10 UG/L		UJ	10 UG/L		UJ
2-METHYLPHENOL										10 UG/L		UJ	10 UG/L		UJ
2-NITROANILINE										25 UG/L		UJ	25 UG/L		UJ
2-NITROPHENOL										10 UG/L		UJ	10 UG/L		UJ
3,3'-DICHLOROBENZIDINE										10 UG/L		UJ	10 UG/L		UJ
3-NITROANILINE										25 UG/L		UJ	25 UG/L		UJ
4,6-DINITRO-2-METHYLPHENOL										25 UG/L		UJ	25 UG/L		UJ
4-BROMOPHENYL PHENYL ETHER										10 UG/L		UJ	10 UG/L		UJ
4-CHLORO-3-METHYLPHENOL										10 UG/L		UJ	10 UG/L		UJ
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		UJ	10 UG/L		UJ
4-METHYLPHENOL										10 UG/L		UJ	10 UG/L		UJ
4-NITROANILINE										25 UG/L		UJ	25 UG/L		UJ
4-NITROPHENOL										25 UG/L		UJ	25 UG/L		UJ
ACENAPHTHENE										10 UG/L		UJ	10 UG/L		UJ
ACENAPHTHYLENE										10 UG/L		UJ	10 UG/L		UJ
ANTHRACENE										10 UG/L		UJ	10 UG/L		UJ
BENZO(A)ANTHRACENE										10 UG/L		UJ	10 UG/L		UJ
BENZO(A)PYRENE										10 UG/L		UJ	10 UG/L		UJ
BENZO(B)FLUORANTHENE										10 UG/L		UJ	10 UG/L		UJ
BENZO(G,H,I)PERYLENE										10 UG/L		UJ	10 UG/L		UJ
BENZO(K)FLUORANTHENE										10 UG/L		UJ	10 UG/L		UJ
BENZOIC ACID										50 UG/L		UJ	50 UG/L		UJ
BENZYL ALCOHOL										10 UG/L		UJ	10 UG/L		UJ
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		UJ	10 UG/L		UJ
BIS(2-CHLOROETHYL)ETHER										10 UG/L		UJ	10 UG/L		UJ
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		UJ	10 UG/L		UJ
BIS(2-ETHYLHEXYL)PHTHALATE										10 UG/L		UJ	10 UG/L		UJ
BUTYL BENZYL PHTHALATE										1 UG/L		J	10 UG/L		UJ
CARBAZOLE										10 UG/L		UJ	10 UG/L		UJ
CHRYSENE										10 UG/L		UJ	10 UG/L		UJ
DI-N-BUTYL PHTHALATE										10 UG/L		UJ	10 UG/L		UJ
DI-N-OCTYL PHTHALATE										10 UG/L		UJ	10 UG/L		UJ
DIBENZO(A,H)ANTHRACENE										10 UG/L		UJ	10 UG/L		UJ
DIBENZOFURAN										10 UG/L		UJ	10 UG/L		UJ
DIETHYL PHTHALATE										10 UG/L		UJ	10 UG/L		UJ

SAMPLE NUMBER:	120071			066841			066888			123352			123354		
LAB:	FERMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIMETHYL PHTHALATE										10 UG/L		UJ	10 UG/L		UJ
FLUORANTHENE										10 UG/L		UJ	10 UG/L		UJ
FLUORENE										10 UG/L		UJ	10 UG/L		UJ
HEXACHLOROBENZENE										10 UG/L		UJ	10 UG/L		UJ
HEXACHLOROBUTADIENE										10 UG/L		UJ	10 UG/L		UJ
HEXACHLOROCYCLOPENTADIENE										10 UG/L		UJ	10 UG/L		UJ
HEXACHLOROETHANE										10 UG/L		UJ	10 UG/L		UJ
INDENO(1,2,3-CD)PYRENE										10 UG/L		UJ	10 UG/L		UJ
ISOPHORONE										10 UG/L		UJ	10 UG/L		UJ
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		UJ	10 UG/L		UJ
N-NITROSODIPHENYLAMINE										10 UG/L		UJ	10 UG/L		UJ
NAPHTHALENE										10 UG/L		UJ	10 UG/L		UJ
NITROBENZENE										10 UG/L		UJ	10 UG/L		UJ
P-CHLOROANILINE										10 UG/L		UJ	10 UG/L		UJ
PENTACHLOROPHENOL										25 UG/L		UJ	25 UG/L		UJ
PHENANTHRENE										10 UG/L		UJ	10 UG/L		UJ
PHENOL										10 UG/L		UJ	10 UG/L		UJ
PYRENE										10 UG/L		UJ	10 UG/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_405			EMGW_SYSGEN_405			EMGW_SYSGEN_405			EMGW_SYSGEN_405D			EMGW_SYSGEN_405D		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	IT			NET			NET			IT			NET		
WELL OR BORING NUMBER:	2011			2011			2011			2011			2011		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-NOV-90			16-NOV-90			16-NOV-90			16-NOV-90			16-NOV-90		
NORTH COORDINATE:	482271.62			482271.62			482271.62			482271.62			482271.62		
EAST COORDINATE:	1377959.33			1377959.33			1377959.33			1377959.33			1377959.33		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			DUPLICATE		
QC OF:										EMGW_SYSGEN_405			EMGW_SYSGEN_405		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							77 MG/L		NV						
AMMONIA							.21 MG/L		NV						
CHLORIDE							22 MG/L		NV						
FLUORIDE							.17 MG/L		NV						
NITRATE/NITRITE							.02 MG/L		UNV						
PH							8.65 SU		NV						
PHENOLS							.005 MG/L		UNV						
PHOSPHORUS							.23 MG/L		NV						
SPECIFIC CONDUCTIVITY							176 UMHOS/CM		NV						
SULFATE							9 MG/L		NV						
TOTAL DISSOLVED SOLIDS							120 MG/L		NV						
TOTAL ORGANIC CARBON							5 MG/L		NV						
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.5 MG/L		UNV	.5 MG/L		UNV				.5 MG/L		UNV
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
ARSENIC				.0025 MG/L		UNV	.004 MG/L		NV				.0025 MG/L		UNV
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV				.2 MG/L		UNV
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV
CALCIUM				7.5 MG/L		NV	19.4 MG/L		NV				8.9 MG/L		NV
CHROMIUM							.007 MG/L		NV						
COBALT				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
COPPER				.025 MG/L		UNV	.057 MG/L		NV				.025 MG/L		UNV
CYANIDE							.005 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_405			EMGW_SYSGEN_405			EMGW_SYSGEN_405			EMGW_SYSGEN_405D			EMGW_SYSGEN_405D		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				.05 MG/L		UNV	11.7 MG/L		NV				.05 MG/L		UNV
LEAD				.005 MG/L		UNV	.108 MG/L		NV				.005 MG/L		UNV
MAGNESIUM				13.7 MG/L		NV	12.6 MG/L		NV				15.4 MG/L		NV
MANGANESE				.02 MG/L		UNV	.115 MG/L		NV				.02 MG/L		UNV
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UNV
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV
POTASSIUM				2.28 MG/L		NV	1.91 MG/L		NV				2.31 MG/L		NV
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV				.0025 MG/L		UNV
SILVER				.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV
SODIUM				6.2 MG/L		NV	6.5 MG/L		NV				6.3 MG/L		NV
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV
ZINC				.02 MG/L		UNV	.043 MG/L		NV				.02 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
PESTICIDES															
4,4'-DDD							.2 UG/L		UNV						
4,4'-DDE							.2 UG/L		UNV						
4,4'-DDT							.2 UG/L		UNV						
ALDRIN							.2 UG/L		UNV						
ALPHA-BHC							.2 UG/L		UNV						
AROCLOR-1016							.2 UG/L		UNV						
AROCLOR-1221							.2 UG/L		UNV						
AROCLOR-1232							.2 UG/L		UNV						
AROCLOR-1242							.2 UG/L		UNV						
AROCLOR-1248							.2 UG/L		UNV						
AROCLOR-1254							.2 UG/L		UNV						
AROCLOR-1260							.2 UG/L		UNV						
BETA-BHC							.2 UG/L		UNV						
CHLORDANE							.2 UG/L		UNV						
DELTA-BHC							.2 UG/L		UNV						
DIELDRIN							.2 UG/L		UNV						
ENDOSULFAN II							.2 UG/L		UNV						
ENDOSULFAN SULFATE							.2 UG/L		UNV						
ENDOSULFAN-I							.2 UG/L		UNV						
ENDRIN							.2 UG/L		UNV						
ENDRIN ALDEHYDE							.2 UG/L		UNV						

000723

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SAMPLE NUMBER:	EMGW_SYSGEN_405			EMGW_SYSGEN_405			EMGW_SYSGEN_405			EMGW_SYSGEN_405D			EMGW_SYSGEN_405D		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
GAMMA-BHC (LINDANE)							.2 UG/L		UNV						
HEPTACHLOR							.2 UG/L		UNV						
HEPTACHLOR EPOXIDE							.2 UG/L		UNV						
TOXAPHENE							.5 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	.28 PCI/L		UNV							.3 PCI/L		UNV			
URANIUM, TOTAL	1 UG/L		UNV							1 UG/L		UNV			
URANIUM-234	.354 PCI/L		NV							.3 PCI/L		UNV			
THORIUM-230	.45 PCI/L		UNV							1 PCI/L		NV			
RADIUM-226	1.62 PCI/L		NV							1 PCI/L		UNV			
URANIUM-235/236	.28 PCI/L		UNV							.3 PCI/L		UNV			
THORIUM-232	.45 PCI/L		UNV							.48 PCI/L		UNV			
THORIUM, TOTAL	4.1 UG/L		UNV							4.3 UG/L		UNV			
RADIUM-228	3 PCI/L		UNV							3 PCI/L		UNV			
THORIUM-228	.45 PCI/L		UNV							1.32 PCI/L		NV			
NEPTUNIUM-237	.5 PCI/L		UNV							.5 PCI/L		UNV			
PLUTONIUM-239/240	.5 PCI/L		UNV							.675 PCI/L		NV			
PLUTONIUM-238	.5 PCI/L		UNV							.5 PCI/L		UNV			
TECHNETIUM-99	20 PCI/L		UNV							18 PCI/L		UNV			
RUTHENIUM-106	150 PCI/L		UNV							150 PCI/L		UNV			
CESIUM-137	11 PCI/L		UNV							6.3 PCI/L		UNV			
GROSS ALPHA	1.7 PCI/L		UNV							1.8 PCI/L		UNV			
GROSS BETA	1.4 PCI/L		UNV							1.88 PCI/L		NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							4 UG/L		UNV						
1,3-DICHLOROBENZENE							4 UG/L		UNV						
1,4-DICHLOROBENZENE							4 UG/L		UNV						
2,4,5-TRICHLOROPHENOL							4 UG/L		UNV						
2,4,6-TRICHLOROPHENOL							4 UG/L		UNV						
2,4-DICHLOROPHENOL							4 UG/L		UNV						
2,4-DIMETHYLPHENOL							4 UG/L		UNV						
2,4-DINITROPHENOL							4 UG/L		UNV						
2,4-DINITROTOLUENE							15 UG/L		UNV						
2,6-DINITROTOLUENE							15 UG/L		UNV						
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
2-CHLORONAPHTHALENE							4 UG/L		UNV						
2-CHLOROPHENOL							4 UG/L		UNV						
2-METHYLNAPHTHALENE							4 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_405			EMGW_SYSGEN_405			EMGW_SYSGEN_405			EMGW_SYSGEN_405D			EMGW_SYSGEN_405D		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-METHYLPHENOL							4 UG/L		UNV						
2-NITROANILINE							15 UG/L		UNV						
2-NITROPHENOL							4 UG/L		UNV						
3,3'-DICHLOROBENZIDINE							15 UG/L		UNV						
3-NITROANILINE							15 UG/L		UNV						
4,6-DINITRO-2-METHYLPHENOL							4 UG/L		UNV						
4-BROMOPHENYL PHENYL ETHER							15 UG/L		UNV						
4-CHLORO-3-METHYLPHENOL							4 UG/L		UNV						
4-CHLOROPHENYLPHENYL ETHER							15 UG/L		UNV						
4-NITROANILINE							15 UG/L		UNV						
4-NITROPHENOL							4 UG/L		UNV						
ACENAPHTHENE							4 UG/L		UNV						
ACENAPHTHYLENE							4 UG/L		UNV						
ANTHRACENE							4 UG/L		UNV						
BENZO(A)ANTHRACENE							4 UG/L		UNV						
BENZO(A)PYRENE							4 UG/L		UNV						
BENZO(B)FLUORANTHENE							4 UG/L		UNV						
BENZO(G,H,I)PERYLENE							4 UG/L		UNV						
BENZO(K)FLUORANTHENE							4 UG/L		UNV						
BENZOIC ACID							4 UG/L		UNV						
BENZYL ALCOHOL							40 UG/L		UNV						
BIS(2-CHLOROETHOXY)METHANE							15 UG/L		UNV						
BIS(2-CHLOROETHYL)ETHER							15 UG/L		UNV						
BIS(2-CHLOROISOPROPYL) ETHER							15 UG/L		UNV						
BIS(2-ETHYLHEXYL)PHTHALATE							4 UG/L		UNV						
BUTYL BENZYL PHTHALATE							4 UG/L		UNV						
CHRYSENE							4 UG/L		UNV						
DI-N-BUTYL PHTHALATE							4 UG/L		UNV						
DI-N-OCTYL PHTHALATE							4 UG/L		UNV						
DIBENZO(A,H)ANTHRACENE							4 UG/L		UNV						
DIBENZOFURAN							4 UG/L		UNV						
DIETHYL PHTHALATE							4 UG/L		UNV						
DIMETHYL PHTHALATE							4 UG/L		UNV						
FLUORANTHENE							4 UG/L		UNV						
FLUORENE							4 UG/L		UNV						
HEXACHLOROBENZENE							4 UG/L		UNV						
HEXACHLOROBUTADIENE							4 UG/L		UNV						
HEXACHLOROCYCLOPENTADIENE							4 UG/L		UNV						
HEXACHLOROETHANE							4 UG/L		UNV						
INDENO(1,2,3-CD)PYRENE							4 UG/L		UNV						
ISOPHORONE							4 UG/L		UNV						

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SAMPLE NUMBER:	EMGW_SYSGEN_405			EMGW_SYSGEN_405			EMGW_SYSGEN_405			EMGW_SYSGEN_405D			EMGW_SYSGEN_405D		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
M-METHYLPHENOL							4 UG/L		UNV						
N-NITROSO-DI-N-PROPYLAMINE							4 UG/L		UNV						
N-NITROSODIPHENYLAMINE							4 UG/L		UNV						
NAPHTHALENE							4 UG/L		UNV						
NITROBENZENE							4 UG/L		UNV						
P-CHLOROANILINE							4 UG/L		UNV						
PENTACHLOROPHENOL							4 UG/L		UNV						
PHENANTHRENE							4 UG/L		UNV						
PHENOL							4 UG/L		UNV						
PYRENE							4 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_405			EMGW_SYSGEN_405			EMGW_SYSGEN_405			EMGW_SYSGEN_405D			EMGW_SYSGEN_405D		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_405D			003825			003825			003094			003094		
TASK:	GWMON			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2011			2011			2011			2011			2011		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-NOV-90			17-JAN-89			17-JAN-89			19-APR-88			19-APR-88		
NORTH COORDINATE:	482271.62			482271.62			482271.62			482271.62			482271.62		
EAST COORDINATE:	1377959.33			1377959.33			1377959.33			1377959.33			1377959.33		
QA TYPE:	DUPLICATE			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:	EMGW_SYSGEN_405														
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	79 MG/L		NV												
AMMONIA	.32 MG/L		NV				.263 MG/L		-				.3 MG/L		J
CHLORIDE	21 MG/L		NV				20 MG/L		-				18.4 MG/L		J
FLUORIDE	.11 MG/L		NV				.21 MG/L		-				.17 MG/L		J
NITRATE	.02 MG/L		UNV				.1 MG/L		UJ				.1 MG/L		J
NITRATE/NITRITE	.02 MG/L		UNV												
PH	8.72 SU		NV				.01 MG/L		R				10 UG/L		U
PHENOLS	.005 MG/L		UNV				.01 MG/L		R				.03 MG/L		J
PHOSPHORUS	.23 MG/L		NV				.499 MG/L		-				.05 MG/L		R
SPECIFIC CONDUCTIVITY	171 UMHOS/CM		NV												
SULFATE	9 MG/L		NV				76.6 MG/L		-				2 MG/L		R
TOTAL DISSOLVED SOLIDS	164 MG/L		NV												
TOTAL KJELDAHL NITROGEN							.473 MG/L		J						
TOTAL ORGANIC CARBON	6 MG/L		NV												
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.21 MG/L		-				.1 MG/L		R
INORGANICS															
ALUMINUM	.5 MG/L		UNV							.05 MG/L		U			
ANTIMONY	.025 MG/L		UNV							.0011 MG/L		U			
ARSENIC	.004 MG/L		NV	.002 MG/L		U				.002 MG/L		U			
BARIUM	.2 MG/L		UNV	.14 MG/L		-				.014 MG/L		R			
BERYLLIUM	.01 MG/L		UNV							.001 MG/L		U			
CADMIUM	.001 MG/L		UNV	.004 MG/L		-				.002 MG/L		U			
CALCIUM	12 MG/L		NV	105 MG/L		-				10.1 MG/L		-			
CHROMIUM	.005 MG/L		UNV	.024 MG/L		-				.02 MG/L		R			

SAMPLE NUMBER:	EMGW_SYSGEN_405D			003825			003825			003094			003094		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT	.025 MG/L		UNV							.01 MG/L		U			
COPPER	.066 MG/L		NV	.011 MG/L		-				.01 MG/L		R			
CYANIDE	.005 MG/L		UNV										.01 MG/L		U
IRON	14 MG/L		NV	2.26 MG/L		-				.005 MG/L		U			
LEAD	.066 MG/L		NV	.002 MG/L		UJ				.002 MG/L		UJ			
MAGNESIUM	11.9 MG/L		NV	28.4 MG/L		-				21.7 MG/L		-			
MANGANESE	.095 MG/L		NV	.19 MG/L		-				.04 MG/L		-			
MERCURY	.0002 MG/L		UNV	.0002 MG/L		U				.0003 MG/L		UJ			
MOLYBDENUM	.025 MG/L		UNV	.02 MG/L		U				.031 MG/L		UJ			
NICKEL	.005 MG/L		UNV	.134 MG/L		-				.02 MG/L		U			
POTASSIUM	1.81 MG/L		NV	1.02 MG/L		-				1.64 MG/L		-			
SELENIUM	.0025 MG/L		UNV	.002 MG/L		U				.002 MG/L		UJ			
SILVER	.001 MG/L		UNV	.0005 MG/L		U				.005 MG/L		UJ			
SODIUM	8.2 MG/L		NV	10.1 MG/L		-				9.76 MG/L		-			
THALLIUM	.01 MG/L		UNV							.001 MG/L		UJ			
VANADIUM	.05 MG/L		UNV							.01 MG/L		U			
ZINC	.051 MG/L		NV							.01 MG/L		U			
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
PESTICIDES															
4,4'-DDD	.2 UG/L		UNV										.1 UG/L		U
4,4'-DDE	.2 UG/L		UNV										.1 UG/L		U
4,4'-DDT	.2 UG/L		UNV										.1 UG/L		U
ALDRIN	.2 UG/L		UNV										.05 UG/L		U
ALPHA-BHC	.2 UG/L		UNV										.05 UG/L		U
ALPHA-CHLORDANE													.5 UG/L		U
AROCLOR-1016	.2 UG/L		UNV										.5 UG/L		U
AROCLOR-1221	.2 UG/L		UNV										.5 UG/L		U
AROCLOR-1232	.2 UG/L		UNV										.5 UG/L		U
AROCLOR-1242	.2 UG/L		UNV										.5 UG/L		U
AROCLOR-1248	.2 UG/L		UNV										.5 UG/L		U
AROCLOR-1254	.2 UG/L		UNV										1 UG/L		U
AROCLOR-1260	.2 UG/L		UNV										1 UG/L		U
BETA-BHC	.2 UG/L		UNV										.05 UG/L		U
CHLORDANE	.2 UG/L		UNV												
DELTA-BHC	.2 UG/L		UNV										.05 UG/L		U
DIELDRIN	.2 UG/L		UNV										.05 UG/L		U
ENDOSULFAN II	.2 UG/L		UNV										.1 UG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_405D			003825			003825			003094			003094		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDOSULFAN SULFATE	.2 UG/L		UNV										.1 UG/L		U
ENDOSULFAN-I	.2 UG/L		UNV										.05 UG/L		U
ENDRIN	.2 UG/L		UNV										.05 UG/L		U
ENDRIN ALDEHYDE	.2 UG/L		UNV												
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)	.2 UG/L		UNV										.05 UG/L		U
GAMMA-CHLORDANE													.5 UG/L		U
HEPTACHLOR	.2 UG/L		UNV										.05 UG/L		U
HEPTACHLOR EPOXIDE	.2 UG/L		UNV										.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
TOXAPHENE	.5 UG/L		UNV										1 UG/L		U
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U				1.3 PCI/L		U
URANIUM, TOTAL							1 UG/L		U				5 UG/L	1	J
URANIUM-234							1 PCI/L		U				1.8 PCI/L	.5	U
THORIUM-230							1 PCI/L		U				1 PCI/L		U
RADIUM-226							1 PCI/L		U				1 PCI/L		UJ
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-232							1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL							4 UG/L		U						
RADIUM-228							3 PCI/L		U				3 PCI/L		UJ
THORIUM-228							1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237							1 PCI/L		UJ				1 PCI/L		UJ
PLUTONIUM-239/240							1 PCI/L		U				1 PCI/L		UJ
PLUTONIUM-238							1 PCI/L		U				1 PCI/L		UJ
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	4 UG/L		UNV										10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE	4 UG/L		UNV										10 UG/L		U
1,4-DICHLOROBENZENE	4 UG/L		UNV										10 UG/L		U
2,4,5-TRICHLOROPHENOL	4 UG/L		UNV										50 UG/L		U
2,4,6-TRICHLOROPHENOL	4 UG/L		UNV										10 UG/L		U
2,4-DICHLOROPHENOL	4 UG/L		UNV										10 UG/L		U
2,4-DIMETHYLPHENOL	4 UG/L		UNV										10 UG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_405D			003825			003825			003094			003094		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DINITROPHENOL	4 UG/L		UNV										50 UG/L		UJ
2,4-DINITROTOLUENE	15 UG/L		UNV										10 UG/L		U
2,6-DINITROTOLUENE	15 UG/L		UNV										10 UG/L		U
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
2-CHLORONAPHTHALENE	4 UG/L		UNV										10 UG/L		U
2-CHLOROPHENOL	4 UG/L		UNV										10 UG/L		U
2-METHYLNAPHTHALENE	4 UG/L		UNV										10 UG/L		U
2-METHYLPHENOL	4 UG/L		UNV										10 UG/L		U
2-NITROANILINE	15 UG/L		UNV										50 UG/L		U
2-NITROPHENOL	4 UG/L		UNV										10 UG/L		U
3,3'-DICHLOROBENZIDINE	15 UG/L		UNV										20 UG/L		U
3-NITROANILINE	15 UG/L		UNV										50 UG/L		UJ
4,6-DINITRO-2-METHYLPHENOL	4 UG/L		UNV										50 UG/L		U
4-BROMOPHENYL PHENYL ETHER	15 UG/L		UNV										10 UG/L		U
4-CHLORO-3-METHYLPHENOL	4 UG/L		UNV										10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER	15 UG/L		UNV										10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE	15 UG/L		UNV										50 UG/L		UJ
4-NITROPHENOL	4 UG/L		UNV										50 UG/L		U
ACENAPHTHENE	4 UG/L		UNV										10 UG/L		U
ACENAPHTHYLENE	4 UG/L		UNV										10 UG/L		U
ANTHRACENE	4 UG/L		UNV										10 UG/L		U
BENZO(A)ANTHRACENE	4 UG/L		UNV										10 UG/L		U
BENZO(A)PYRENE	4 UG/L		UNV										10 UG/L		U
BENZO(B)FLUORANTHENE	4 UG/L		UNV										10 UG/L		U
BENZO(G,H,I)PERYLENE	4 UG/L		UNV										10 UG/L		U
BENZO(K)FLUORANTHENE	4 UG/L		UNV										10 UG/L		U
BENZOIC ACID	4 UG/L		UNV										50 UG/L		U
BENZYL ALCOHOL	40 UG/L		UNV										10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE	15 UG/L		UNV										10 UG/L		U
BIS(2-CHLOROETHYL)ETHER	15 UG/L		UNV										10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER	15 UG/L		UNV										10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE	6 UG/L		NV										10 UG/L		U
BUTYL BENZYL PHTHALATE	4 UG/L		UNV										10 UG/L		U
CHRYSENE	4 UG/L		UNV										10 UG/L		U
DI-N-BUTYL PHTHALATE	4 UG/L		UNV										10 UG/L		U
DI-N-OCTYL PHTHALATE	4 UG/L		UNV										10 UG/L		U
DIBENZO(A,H)ANTHRACENE	4 UG/L		UNV										10 UG/L		U
DIBENZOFURAN	4 UG/L		UNV										10 UG/L		U
DIETHYL PHTHALATE	4 UG/L		UNV										10 UG/L		U
DIMETHYL PHTHALATE	4 UG/L		UNV										10 UG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_405D			003825			003825			003094			003094		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORANTHENE	4 UG/L		UNV										10 UG/L		U
FLUORENE	4 UG/L		UNV										10 UG/L		U
HEXACHLOROBENZENE	4 UG/L		UNV										10 UG/L		U
HEXACHLOROBUTADIENE	4 UG/L		UNV										10 UG/L		U
HEXACHLOROCYCLOPENTADIENE	4 UG/L		UNV										10 UG/L		U
HEXACHLOROETHANE	4 UG/L		UNV										10 UG/L		U
INDENO(1,2,3-CD)PYRENE	4 UG/L		UNV										10 UG/L		U
ISOPHORONE	4 UG/L		UNV										2 UG/L		J
M-METHYLPHENOL	4 UG/L		UNV												
N-NITROSO-DI-N-PROPYLAMINE	4 UG/L		UNV										10 UG/L		U
N-NITROSODIPHENYLAMINE	4 UG/L		UNV										10 UG/L		-
NAPHTHALENE	4 UG/L		UNV										10 UG/L		U
NITROBENZENE	4 UG/L		UNV										10 UG/L		U
P-CHLOROANILINE	4 UG/L		UNV										10 UG/L		UJ
PENTACHLOROPHENOL	4 UG/L		UNV										50 UG/L		U
PHENANTHRENE	4 UG/L		UNV										10 UG/L		U
PHENOL	4 UG/L		UNV				.01 MG/L		R				10 UG/L		U
PYRENE	4 UG/L		UNV										10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV										5 UG/L		U
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV										5 UG/L		U
1,1,2-TRICHLOROETHANE	1 UG/L		UNV										5 UG/L		U
1,1-DICHLOROETHANE	1 UG/L		UNV										5 UG/L		U
1,1-DICHLOROETHENE	1 UG/L		UNV										5 UG/L		U
1,2-DICHLOROETHANE	1 UG/L		UNV										5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV										5 UG/L		U
1,2-DICHLOROPROPANE	1 UG/L		UNV										5 UG/L		U
2-BUTANONE	2 UG/L		UNV										10 UG/L		R
2-HEXANONE	2 UG/L		UNV										10 UG/L		UJ
4-METHYL-2-PENTANONE	2 UG/L		UNV										10 UG/L		UJ
ACETONE	2 UG/L		UNV										37 UG/L		-
BENZENE	1 UG/L		UNV										5 UG/L		UJ
BROMODICHLOROMETHANE	1 UG/L		UNV										5 UG/L		U
BROMOFORM	1 UG/L		UNV										5 UG/L		U
BROMOMETHANE	1 UG/L		UNV										10 UG/L		U
CARBON DISULFIDE	1 UG/L		UNV										8 UG/L		-
CARBON TETRACHLORIDE	1 UG/L		UNV										5 UG/L		U
CHLOROBENZENE	1 UG/L		UNV										5 UG/L		UJ
CHLOROETHANE	1 UG/L		UNV										10 UG/L		U
CHLOROFORM	1 UG/L		UNV										5 UG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_405D			003825			003825			003094			003094		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROMETHANE	1 UG/L		UNV										10 UG/L		U
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV										5 UG/L		U
DIBROMOCHLOROMETHANE	1 UG/L		UNV										5 UG/L		U
ETHYLBENZENE	1 UG/L		UNV										5 UG/L		UJ
METHYLENE CHLORIDE	1 UG/L		UNV										5 UG/L		U
STYRENE	1 UG/L		UNV										5 UG/L		UJ
TETRACHLOROETHENE	1 UG/L		UNV										5 UG/L		U
TOLUENE	1 UG/L		UNV										5 UG/L		J
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV										5 UG/L		U
TRICHLOROETHENE	1 UG/L		UNV										5 UG/L		U
VINYL ACETATE	2 UG/L		UNV										10 UG/L		U
VINYL CHLORIDE	1 UG/L		UNV										10 UG/L		U
XYLENES, TOTAL	1 UG/L		UNV										5 UG/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003352			003352			003352			EMGW_SYSGEN_406			EMGW_SYSGEN_406		
TASK:	3.2.4			3.2.4			3.2.4			GWMON			GWMON		
LAB:	IT			IT			IT/RSL			IT			NET		
WELL OR BORING NUMBER:	2011			2011			2011			2011			2011		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-JUL-88			19-JUL-88			19-JUL-88			20-FEB-91			20-FEB-91		
NORTH COORDINATE:	482271.62			482271.62			482271.62			482271.62			482271.62		
EAST COORDINATE:	1377959.33			1377959.33			1377959.33			1377959.33			1377959.33		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		-									
CHLORIDE				9.6 MG/L		-									
FLUORIDE				.25 MG/L		-									
NITRATE				.1 MG/L		U									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.075 MG/L		-									
SULFATE				80 MG/L		-									
TOTAL ORGANIC NITROGEN				.1 MG/L		UJ									
INORGANICS															
ALUMINUM													.5 MG/L		UNV
ANTIMONY													.025 MG/L		UNV
ARSENIC	.2 MG/L		U										.0025 MG/L		UNV
BARIUM	.132 MG/L		-										.2 MG/L		UNV
BERYLLIUM													.01 MG/L		UNV
CADMIUM	.002 MG/L		U										.001 MG/L		UNV
CALCIUM	92.3 MG/L		-										5.8 MG/L		NV
CHROMIUM	.02 MG/L		U												
COBALT													.025 MG/L		UNV
COPPER	.01 MG/L		U										.025 MG/L		UNV
IRON	2.16 MG/L		-										.053 MG/L		NV
LEAD	.05 MG/L		U										.005 MG/L		UNV
MAGNESIUM	25.5 MG/L		-										16 MG/L		NV
MANGANESE	.17 MG/L		-										.02 MG/L		UNV
MERCURY	.0002 MG/L		U										.0002 MG/L		UNV
MOLYBDENUM	.02 MG/L		U										.025 MG/L		UNV

SAMPLE NUMBER:	003352			003352			003352			EMGW_SYSGEN_406			EMGW_SYSGEN_406		
LAB:	IT			IT			IT/RSL			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.02 MG/L		U										.005 MG/L		UNV
POTASSIUM	1.7 MG/L		J										1.64 MG/L		NV
SELENIUM	.2 MG/L		U										.0025 MG/L		UNV
SILVER	.01 MG/L		U										.001 MG/L		UNV
SODIUM	9.53 MG/L		-										15.9 MG/L		NV
THALLIUM													.01 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238							1 PCI/L		R	.26 PCI/L		UNV			
URANIUM, TOTAL							1 UG/L		U	.57 UG/L		UNV			
URANIUM-234							1.3 PCI/L	.3	R	.26 PCI/L		UNV			
THORIUM-230							1 PCI/L		UJ	.2 PCI/L		UNV			
RADIUM-226							1 PCI/L		U	1 PCI/L		UNV			
URANIUM-235/236							1 PCI/L		R	.26 PCI/L		UNV			
THORIUM-232							1 PCI/L		UJ	.2 PCI/L		UNV			
THORIUM, TOTAL							3 UG/L		UJ	1.6 UG/L		UNV			
RADIUM-228							3 PCI/L		U	3 PCI/L		UNV			
THORIUM-228							1 PCI/L		UJ	.471 PCI/L		NV			
NEPTUNIUM-237							1 PCI/L		UJ	.5 PCI/L		UNV			
PLUTONIUM-239/240							1 PCI/L		UJ	.5 PCI/L		UNV			
PLUTONIUM-238							1 PCI/L		UJ	.5 PCI/L		UNV			
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U	22 PCI/L		UNV			
RUTHENIUM-106							150 PCI/L		R	150 PCI/L		UNV			
CESIUM-137							20 PCI/L		R	9.4 PCI/L		UNV			
GROSS ALPHA										1.8 PCI/L		UNV			
GROSS BETA										1.6 PCI/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_406			003317			003317			003632			003632		
TASK:	GWMON			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2011			2011			2011			2011			2011		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	20-FEB-91			24-OCT-88			24-OCT-88			24-OCT-88			24-OCT-88		
NORTH COORDINATE:	482271.62			482271.62			482271.62			482271.62			482271.62		
EAST COORDINATE:	1377959.33			1377959.33			1377959.33			1377959.33			1377959.33		
QA TYPE:	NORMAL			DUPLICATE			DUPLICATE			NORMAL			NORMAL		
QC OF:				003632			003632								
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	83 MG/L		NV												
AMMONIA	.31 MG/L		NV				.842 MG/L		-				.875 MG/L		-
CHLORIDE	20 MG/L		NV				25 MG/L		-				25 MG/L		-
FLUORIDE	.11 MG/L		NV				.3 MG/L		-				.28 MG/L		-
NITRATE	.02 MG/L		UNV				.1 MG/L		UJ				.1 MG/L		UJ
NITRATE, AS NITROGEN	.02 MG/L		UNV												
PH	8.72 SU		NV				.01 MG/L		UJ				.01 MG/L		UJ
PHENOLS	.005 MG/L		UNV				.01 MG/L		UJ				.01 MG/L		UJ
PHOSPHORUS	.04 MG/L		NV				.02 MG/L		U				.02 MG/L		U
SPECIFIC CONDUCTIVITY	208 UMHOS/CM		NV												
SULFATE	13 MG/L		NV				60 MG/L		J				51 MG/L		J
TOTAL DISSOLVED SOLIDS	90 MG/L		NV												
TOTAL KJELDAHL NITROGEN							1.14 MG/L		-				1.17 MG/L		-
TOTAL ORGANIC CARBON	4 MG/L		NV												
TOTAL ORGANIC HALIDES							.05 MG/L		U				.05 MG/L		U
TOTAL ORGANIC HALOGENS	.034 MG/L		NV												
TOTAL ORGANIC NITROGEN							.1 MG/L		U				.1 MG/L		U
INORGANICS															
ALUMINUM	.5 MG/L		UNV												
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.0025 MG/L		UNV	.002 MG/L		U				.002 MG/L		U			
BARIUM	.2 MG/L		UNV	.135 MG/L		-				.139 MG/L		-			
BERYLLIUM	.01 MG/L		UNV												
CADMIUM	.001 MG/L		UNV	.002 MG/L		-				.002 MG/L		U			
CALCIUM	6.3 MG/L		NV	100 MG/L		-				104 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_406			003317			003317			003632			003632		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM	.005 MG/L		UNV	.02 MG/L		U				.02 MG/L		U			
COBALT	.025 MG/L		UNV												
COPPER	.025 MG/L		UNV	.01 MG/L		U				.01 MG/L		U			
CYANIDE	.01 MG/L		UNV												
IRON	.833 MG/L		NV	1.94 MG/L		-				1.98 MG/L		-			
LEAD	.005 MG/L		UNV	.002 MG/L		UJ				.002 MG/L		UJ			
MAGNESIUM	17.1 MG/L		NV	26.5 MG/L		-				27.3 MG/L		-			
MANGANESE	.031 MG/L		NV	.178 MG/L		-				.188 MG/L		-			
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UJ				.0002 MG/L		UJ			
MOLYBDENUM	.025 MG/L		UNV	.02 MG/L		U				.02 MG/L		U			
NICKEL	.005 MG/L		UNV	.02 MG/L		U				.02 MG/L		U			
POTASSIUM	1.43 MG/L		NV	1.02 MG/L		-				1.02 MG/L		-			
SELENIUM	.0025 MG/L		UNV	.002 MG/L		UJ				.002 MG/L		UJ			
SILVER	.001 MG/L		UNV	.0005 MG/L		U				.0005 MG/L		U			
SODIUM	11.1 MG/L		NV	9.72 MG/L		-				9.88 MG/L		-			
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV												
ZINC	.02 MG/L		UNV												
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		UJ				1 PCI/L		UJ
URANIUM, TOTAL							1 UG/L		U				1 UG/L		U
URANIUM-234							1 PCI/L		UJ				1 PCI/L		UJ
THORIUM-230							1 PCI/L		UJ				1 PCI/L		UJ
RADIUM-226							1 PCI/L		U				1 PCI/L		U
URANIUM-235/236							1 PCI/L		UJ				1 PCI/L		UJ
THORIUM-232							1 PCI/L		UJ				1 PCI/L		UJ
THORIUM, TOTAL							3 UG/L		UJ				2 UG/L		UJ
RADIUM-228							3 PCI/L		U				3 PCI/L		U
THORIUM-228							1 PCI/L		UJ				1 PCI/L		UJ
NEPTUNIUM-237							1 PCI/L		UJ				1 PCI/L		UJ
PLUTONIUM-239/240							1 PCI/L		UJ				1 PCI/L		UJ
PLUTONIUM-238							1 PCI/L		UJ				1 PCI/L		UJ
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R

SAMPLE NUMBER:	EMGW_SYSGEN_406			003317			003317			003632			003632		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	23.1 UG/L		NV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004057	EMGW_SYSGEN_402	EMGW_SYSGEN_402	004029	004211
TASK:	3.2.4	GWMON	GWMON	3.2.4	3.2.4
LAB:	IT	IT	NET	IT	IT
WELL OR BORING NUMBER:	2011	2011	2011	2011	2014
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-MAR-89	29-MAY-90	29-MAY-90	31-JAN-89	01-APR-90
NORTH COORDINATE:	482271.62	482271.62	482271.62	482271.62	476802.99
EAST COORDINATE:	1377959.33	1377959.33	1377959.33	1377959.33	1379584.94
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE							24 MG/L		NV						
NITRATE, AS NITROGEN							.02 MG/L		UNV						
SULFATE							95 MG/L		NV						
TOTAL ORGANIC CARBON							10 MG/L		NV						
TOTAL ORGANIC HALIDES	.0073 MG/L		-												
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM													.164 MG/L		-
ARSENIC													.002 MG/L		UJ
BARIUM													.041 MG/L		-
CADMIUM													.005 MG/L		-
CALCIUM													88.3 MG/L		-
CHROMIUM													.03 MG/L		-
COPPER													.01 MG/L		U
IRON													.136 MG/L		U
LEAD													.005 MG/L		U
MAGNESIUM													21.8 MG/L		-
MANGANESE													.019 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.049 MG/L		J
NICKEL													.02 MG/L		U
POTASSIUM													3.58 MG/L		R
SELENIUM													.002 MG/L		U
SILICON													3.12 MG/L		-
SILVER													.01 MG/L		U

SAMPLE NUMBER:	004057			EMGW_SYSGEN_402			EMGW_SYSGEN_402			004029			004211		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SODIUM													12.2 MG/L		-
VANADIUM													.016 MG/L		-
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL	.5 UG/L		U							2.5 UG/L		U			
DEMETON	.4 UG/L		U							.25 UG/L		U			
DIAZINON	.2 UG/L		U							.25 UG/L		U			
DISULFOTON	.2 UG/L		U							.25 UG/L		U			
ETHION	.2 UG/L		U							.25 UG/L		U			
MALATHION	.2 UG/L		U							.25 UG/L		U			
METHYL PARATHION	.2 UG/L		U							.25 UG/L		U			
PARATHION	.2 UG/L		U							.25 UG/L		U			
RADIONUCLIDES															
URANIUM-238				.298 PCI/L		NV									
URANIUM, TOTAL				.922 UG/L		NV									
URANIUM-234				.612 PCI/L		NV									
THORIUM-230				.69 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.21 PCI/L		UNV									
THORIUM-232				.3 PCI/L		UNV									
THORIUM, TOTAL				2.7 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				1.31 PCI/L		NV									
GROSS ALPHA				119 PCI/L		NV									
GROSS BETA				173 PCI/L		NV									
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						

SAMPLE NUMBER:	004057			EMGW_SYSGEN_402			EMGW_SYSGEN_402			004029			004211		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ACETONE							83.4 UG/L		NV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004211	EMGW_SYSGEN_419	EMGW_SYSGEN_419	EMGW_SYSGEN_417	EMGW_SYSGEN_417
TASK:	3.2.4	GWMON	GWMON	GWMON	GWMON
LAB:	IT	IT	NET	IT	NET
WELL OR BORING NUMBER:	2014	2014	2014	2014	2014
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-APR-90	06-DEC-90	06-DEC-90	06-JUN-90	06-JUN-90
NORTH COORDINATE:	476802.99	476802.99	476802.99	476802.99	476802.99
EAST COORDINATE:	1379584.94	1379584.94	1379584.94	1379584.94	1379584.94
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							248 MG/L		NV						
AMMONIA	.1 MG/L		U				.02 MG/L		UNV						
CHLORIDE	12.2 MG/L		-				16 MG/L		NV				18 MG/L		NV
FLUORIDE	.28 MG/L		-				.18 MG/L		NV						
NITRATE	1.82 MG/L		J				1.32 MG/L		NV				2.91 MG/L		NV
NITRATE, AS NITROGEN													2.91 MG/L		NV
NITRATE/NITRITE							1.32 MG/L		NV						
PH	.012 MG/L		-				7.32 SU		NV						
PHENOLS	.012 MG/L		-				.01 MG/L		NV						
PHOSPHORUS	.35 MG/L		-				.12 MG/L		NV						
SPECIFIC CONDUCTIVITY							597 UMHOS/CM		NV						
SULFATE	71.6 MG/L		-				57 MG/L		NV				46 MG/L		NV
SULFIDE	.5 MG/L		U												
TOTAL DISSOLVED SOLIDS							443 MG/L		NV						
TOTAL ORGANIC CARBON	4.07 MG/L		J				4 MG/L		NV				17 MG/L		NV
TOTAL ORGANIC HALIDES	.973 MG/L		R												
TOTAL ORGANIC HALOGENS							.013 MG/L		NV				.26 MG/L		NV
TOTAL ORGANIC NITROGEN	.12 MG/L		-												
INORGANICS															
CYANIDE							.005 MG/L		UNV						
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						

RADIONUCLIDES															
URANIUM-238	8.95 PCI/L	1.24	J	8.32 PCI/L		NV					6.48 PCI/L		NV		
07/25/94															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	004211			EMGW_SYSGEN_419			EMGW_SYSGEN_419			EMGW_SYSGEN_417			EMGW_SYSGEN_417		
LAB:	IT			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	36 UG/L	5.1	-	PCI/L						19.3 UG/L		NV			
URANIUM-234	7.15 PCI/L	1.03	J	6 PCI/L		NV				4.93 PCI/L		NV			
THORIUM-230	1 PCI/L		U	1.95 PCI/L		NV				4.9 PCI/L		NV			
RADIUM-226	1 PCI/L		UJ	1 PCI/L		UNV				1 PCI/L		UNV			
URANIUM-235/236	1 PCI/L		UJ	.368 PCI/L		NV				.23 PCI/L		UNV			
THORIUM-232	1 PCI/L		U	.23 PCI/L		UNV				.75 PCI/L		NV			
THORIUM, TOTAL	2.2 UG/L		U	4.9 UG/L		UNV				6.77 UG/L		NV			
RADIUM-228	3 PCI/L		UJ	3 PCI/L		UNV				3 PCI/L		UNV			
THORIUM-228	1 PCI/L		U	1.26 PCI/L		NV				2.43 PCI/L		NV			
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		U												
PLUTONIUM-238	1 PCI/L		U												
STRONTIUM-90	5 PCI/L		R												
TECHNETIUM-99	30 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA				13.6 PCI/L		NV				15 PCI/L		NV			
GROSS BETA				9.36 PCI/L		NV				11 PCI/L		UNV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROPROPANE							1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE							2 UG/L		UNV				2 UG/L		UNV
2-HEXANONE							2 UG/L		UNV				2 UG/L		UNV
4-METHYL-2-PENTANONE							2 UG/L		UNV				2 UG/L		UNV
ACETONE							2 UG/L		UNV				2 UG/L		UNV
BENZENE							1 UG/L		UNV				1 UG/L		UNV

SAMPLE NUMBER:	004211			EMGW_SYSGEN_419			EMGW_SYSGEN_419			EMGW_SYSGEN_417			EMGW_SYSGEN_417		
LAB:	IT			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
BROMOFORM							1 UG/L		UNV				1 UG/L		UNV
BROMOMETHANE							1 UG/L		UNV				10 UG/L		UNV
CARBON DISULFIDE							1 UG/L		UNV				1 UG/L		UNV
CARBON TETRACHLORIDE							1 UG/L		UNV				1 UG/L		UNV
CHLOROBENZENE							1 UG/L		UNV				1 UG/L		UNV
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV				1 UG/L		UNV
CHLOROMETHANE							1 UG/L		UNV				10 UG/L		UNV
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
DIBROMOCHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
ETHYLBENZENE							1 UG/L		UNV				1 UG/L		UNV
METHYLENE CHLORIDE							1 UG/L		UNV				5 UG/L		UNV
STYRENE							1 UG/L		UNV				1 UG/L		UNV
TETRACHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
TOLUENE							1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
TRICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE							2 UG/L		UNV				2 UG/L		UNV
VINYL CHLORIDE							1 UG/L		UNV				10 UG/L		UNV
XYLENES, TOTAL							1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003673	003673	EMGW_SYSGEN_418	EMGW_SYSGEN_418	004151
TASK:	3.2.4	3.2.4	GWMON	GWMON	3.2.4
LAB:	IT	IT	IT	NET	IT
WELL OR BORING NUMBER:	2014	2014	2014	2014	2014
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-NOV-88	06-NOV-88	11-SEP-90	11-SEP-90	26-JUL-89
NORTH COORDINATE:	476802.99	476802.99	476802.99	476802.99	476802.99
EAST COORDINATE:	1379584.94	1379584.94	1379584.94	1379584.94	1379584.94
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										205 MG/L		NV			
AMMONIA				.1 MG/L		UJ									
CHLORIDE				21 MG/L		-				18 MG/L		NV			
FLUORIDE				.1 MG/L		R				.25 MG/L		NV			
NITRATE				.505 MG/L		J				3.85 MG/L		NV			
NITRATE, AS NITROGEN										3.85 MG/L		NV			
PH				.01 MG/L		U				7.4 SU		NV			
PHENOLS				.01 MG/L		U				.005 MG/L		UNV			
PHOSPHORUS				.088 MG/L		-									
SPECIFIC CONDUCTIVITY										509 UMHOS/CM		NV			
SULFATE				60.8 MG/L		-				53 MG/L		NV			
TOTAL DISSOLVED SOLIDS										375 MG/L		NV			
TOTAL KJELDAHL NITROGEN				1.07 MG/L		J									
TOTAL ORGANIC CARBON										3 MG/L		NV			
TOTAL ORGANIC HALIDES				1.7 MG/L		-									
TOTAL ORGANIC HALOGENS										.041 MG/L		NV			
TOTAL ORGANIC NITROGEN				1.07 MG/L		J									
INORGANICS															
ALUMINUM													.243 MG/L		-
ARSENIC	.002 MG/L		UJ										.002 MG/L		UJ
BARIUM	.02 MG/L		-										.046 MG/L		-
CADMIUM	.006 MG/L		-										.004 MG/L		-
CALCIUM	96.5 MG/L		-										96.5 MG/L		-
CHROMIUM	.02 MG/L		U										.032 MG/L		-
COPPER	.01 MG/L		U										.01 MG/L		U

SAMPLE NUMBER:	003673			003673			EMGW_SYSGEN_418			EMGW_SYSGEN_418			004151		
LAB:	IT			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	.3 MG/L		-										.436 MG/L		-
LEAD	.033 MG/L		R										.006 MG/L		-
MAGNESIUM	21 MG/L		-										22.6 MG/L		-
MANGANESE	.005 MG/L		-										.38 MG/L		-
MERCURY	.0002 MG/L		U										.0002 MG/L		U
MOLYBDENUM	.02 MG/L		U										.01 MG/L		U
NICKEL	.02 MG/L		U										.084 MG/L		-
POTASSIUM	2.44 MG/L		-										2.17 MG/L		-
SELENIUM	.002 MG/L		UJ										.002 MG/L		U
SILICON													3.82 MG/L		-
SILVER	.01 MG/L		U										.01 MG/L		U
SODIUM	11.1 MG/L		-										11.4 MG/L		-
VANADIUM													.014 MG/L		-
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				13.5 PCI/L	1.9	-	4.22 PCI/L		NV						
URANIUM, TOTAL				35 UG/L	6	J	12.9 UG/L		NV						
URANIUM-234				9.8 PCI/L	1.4	-	3.2 PCI/L		NV						
THORIUM-230				1 PCI/L		U	.28 PCI/L		UNV						
RADIUM-226				1.2 PCI/L	.5	-	1 PCI/L		UNV						
URANIUM-235/236				1 PCI/L		U	.23 PCI/L		UNV						
THORIUM-232				1 PCI/L		U	.29 PCI/L		UNV						
THORIUM, TOTAL				3 UG/L		U	2.65 UG/L		NV						
RADIUM-228				3 PCI/L		U	3 PCI/L		UNV						
THORIUM-228				1 PCI/L		U	.28 PCI/L		UNV						
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA							13.5 PCI/L		NV						
GROSS BETA							11 PCI/L		NV						
SEMIVOLATILES															

													60 UG/L		UNV			
SAMPLE NUMBER:	003673			003673			EMGW_SYSGEN_418			EMGW_SYSGEN_418			004151		
LAB:	IT			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004151	003384	003384	003064	003064
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2014	2014	2014	2014	2014
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-JUL-89	28-JUL-88	28-JUL-88	28-MAR-88	28-MAR-88
NORTH COORDINATE:	476802.99	476802.99	476802.99	476802.99	476802.99
EAST COORDINATE:	1379584.94	1379584.94	1379584.94	1379584.94	1379584.94
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U				.1 MG/L		UJ				.1 MG/L		U
CHLORIDE	22.5 MG/L		-				24 MG/L		J				27 MG/L		-
FLUORIDE	.32 MG/L		-				.9 MG/L		R				.5 MG/L		U
HEXAVALENT CHROMIUM													.02 MG/L		U
NITRATE	1.72 MG/L		J				1.8 MG/L		J				5 MG/L		U
PH	.01 MG/L		U				.05 MG/L		U				7.74 SU		-
PHENOLS	.01 MG/L		U				.05 MG/L		U				.01 MG/L		U
PHOSPHATE													.3 MG/L		-
PHOSPHORUS	.196 MG/L		-				.45 MG/L		R						
SPECIFIC CONDUCTIVITY													622 UMHOS/CM		-
SULFATE	49.3 MG/L		-				69 MG/L		R				64 MG/L		-
SULFIDE	3.52 MG/L		J												
TOTAL KJELDAHL NITROGEN	.1 MG/L		U												
TOTAL ORGANIC CARBON	3.72 MG/L		-												
TOTAL ORGANIC HALIDES	.06 MG/L		J												
TOTAL ORGANIC NITROGEN	.459 MG/L		-				.1 MG/L		UJ				.3 MG/L		U
INORGANICS															
ALUMINUM										.755 MG/L		-			
ANTIMONY										.03 MG/L		U			
ARSENIC				.01 MG/L		UJ				.002 MG/L		U	.03 MG/L		U
BARIUM				.2 MG/L		U				.026 MG/L		-	.028 MG/L		-
BERYLLIUM										.001 MG/L		U			
CADMIUM				.005 MG/L		U				.005 MG/L		UJ	.005 MG/L		U
CALCIUM				84 MG/L		J				81.5 MG/L		-	81 MG/L		-
CHROMIUM				.01 MG/L		U				.01 MG/L		U	.01 MG/L		U

SAMPLE NUMBER:	004151			003384			003384			003064			003064		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT										.02 MG/L		U			
COPPER				.025 MG/L		U				.01 MG/L		U	.03 MG/L		UJ
CYANIDE										.02 MG/L		UNV	.02 MG/L		U
IRON				.1 MG/L		U				.227 MG/L		-	1.6 MG/L		-
LEAD				.2 MG/L		U				.002 MG/L		U	.03 MG/L		U
MAGNESIUM				21 MG/L		-				17.7 MG/L		-	20 MG/L		-
MANGANESE				.015 MG/L		U				.002 MG/L		-	.019 MG/L		-
MERCURY				.0008 MG/L		U				.0002 MG/L		U	.001 MG/L		UJ
MOLYBDENUM				.05 MG/L		U				.01 MG/L		U			
NICKEL				.04 MG/L		U				.02 MG/L		U	.02 MG/L		U
POTASSIUM				5 MG/L		U				1.89 MG/L		U	2 MG/L		-
SELENIUM				.005 MG/L		U				.002 MG/L		U	.01 MG/L		U
SILVER				.01 MG/L		UJ				.005 MG/L		U	.005 MG/L		U
SODIUM				14 MG/L		-				12.1 MG/L		U	12.7 MG/L		-
THALLIUM										.004 MG/L		U			
VANADIUM										.01 MG/L		U			
ZINC										.034 MG/L		-			
PESTICIDES															
4,4'-DDD													.1 UG/L		U
4,4'-DDE													.1 UG/L		U
4,4'-DDT													.1 UG/L		U
ALDRIN													.05 UG/L		U
ALPHA-BHC													.05 UG/L		U
ALPHA-CHLORDANE													.5 UG/L		U
AROCLOR-1016													.5 UG/L		U
AROCLOR-1221													.5 UG/L		U
AROCLOR-1232													.5 UG/L		U
AROCLOR-1242													.5 UG/L		U
AROCLOR-1248													.5 UG/L		U
AROCLOR-1254													1 UG/L		U
AROCLOR-1260													1 UG/L		U
BETA-BHC													.05 UG/L		U
DELTA-BHC													.05 UG/L		U
DIELDRIN													.1 UG/L		U
ENDOSULFAN II													.1 UG/L		U
ENDOSULFAN SULFATE													.1 UG/L		U
ENDOSULFAN-I													.05 UG/L		U
ENDRIN													.1 UG/L		U
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.05 UG/L		U

SAMPLE NUMBER:	004151			003384			003384			003064			003064		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
GAMMA-CHLORDANE													.5 UG/L		U
HEPTACHLOR													.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
TOXAPHENE													1 UG/L		U
RADIONUCLIDES															
URANIUM-238	9 PCI/L	1.2	-				9.9 PCI/L	1.4	J				13.1 PCI/L	2.7	J
URANIUM, TOTAL	33 UG/L	7	-				33 UG/L	5	-				32 UG/L	5	R
URANIUM-234	7 PCI/L	1	-				7.7 PCI/L	1.2	J				9.5 PCI/L	2.1	J
THORIUM-230	1 PCI/L		UJ				1 PCI/L		UJ				1.2 PCI/L	.8	J
RADIUM-226	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		R
URANIUM-235/236	1 PCI/L		U				1 PCI/L		UJ				1.6 PCI/L	.7	J
THORIUM-232	1 PCI/L		UJ				1 PCI/L		UJ				1 PCI/L		UJ
THORIUM, TOTAL	3 UG/L		UJ				4 UG/L		UJ						
RADIUM-228	3 PCI/L		U				3 PCI/L		U				3 PCI/L		UJ
THORIUM-228	1 PCI/L		UJ				1 PCI/L		UJ				1 PCI/L		UJ
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U				1 PCI/L		R
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		R				1 PCI/L		UJ
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		R				1 PCI/L		UJ
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				5 PCI/L		R
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U				30 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R				150 PCI/L		R
CESIUM-137	20 PCI/L		R				20 PCI/L		R				20 PCI/L		R
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													50 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U
2,4-DINITROPHENOL													50 UG/L		U
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U

SAMPLE NUMBER:	004151			003384			003384			003064			003064		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													50 UG/L		U
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													20 UG/L		U
3-NITROANILINE													50 UG/L		U
4,6-DINITRO-2-METHYLPHENOL													50 UG/L		U
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													50 UG/L		U
4-NITROPHENOL													50 UG/L		U
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		U
BENZOIC ACID													50 UG/L		U
BENZYL ALCOHOL													10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE													2 UG/L		J
BUTYL BENZYL PHTHALATE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													10 UG/L		U
DI-N-OCTYL PHTHALATE													10 UG/L		U
DIBENZO(A,H)ANTHRACENE													10 UG/L		U
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		U
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		U

SAMPLE NUMBER:	004151			003384			003384			003064			003064		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													50 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL	.01 MG/L		U				.05 MG/L		U				10 UG/L		U
PYRENE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE													5 UG/L		U
1,1,2,2-TETRACHLOROETHANE													5 UG/L		U
1,1,2-TRICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHENE													5 UG/L		U
1,2-DICHLOROETHANE													5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													5 UG/L		U
1,2-DICHLOROPROPANE													5 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													2 UG/L		J
BENZENE													5 UG/L		U
BROMODICHLOROMETHANE													5 UG/L		U
BROMOFORM													5 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													5 UG/L		U
CARBON TETRACHLORIDE													5 UG/L		U
CHLOROBENZENE													5 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													5 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													5 UG/L		U
DIBROMOCHLOROMETHANE													5 UG/L		U
ETHYLBENZENE													5 UG/L		U
METHYLENE CHLORIDE													5 UG/L		U
STYRENE													5 UG/L		U
TETRACHLOROETHENE													5 UG/L		U
TOLUENE													5 UG/L		U

SAMPLE NUMBER:	004151			003384			003384			003064			003064		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TRANS-1,3-DICHLOROPROPENE													5 UG/L		U
TRICHLOROETHENE													5 UG/L		U
VINYL ACETATE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	111992	111992	111992	GW930430-1	GW930430-1
TASK:	20.03.05	20.03.05	20.03.05	50.03.23	50.03.23
LAB:	IT	IT/MWL	ITAS	CORE	DATACHEM
WELL OR BORING NUMBER:	2014	2014	2014	2014	2014
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-APR-93	30-APR-93	30-APR-93	30-APR-93	30-APR-93
NORTH COORDINATE:	476802.99	476802.99	476802.99	476802.99	476802.99
EAST COORDINATE:	1379584.94	1379584.94	1379584.94	1379584.94	1379584.94
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							240 MG/L		-						
AMMONIA	.1 MG/L		U												
CHLORIDE	22.89 MG/L		-												
FLUORIDE	.23 MG/L		-												
NITRATE	1.7 MG/L		R												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.04 MG/L		-												
SULFATE	81.1 MG/L		-												
SULFIDE	.5 MG/L		U												
TOTAL DISSOLVED SOLIDS													370 MG/L		-
TOTAL KJELDAHL NITROGEN	.22 MG/L		-												
TOTAL ORGANIC CARBON	1.41 MG/L		-												
TOTAL ORGANIC HALIDES	.0144 MG/L		-												
TOTAL ORGANIC NITROGEN	.22 MG/L		-												
INORGANICS															
ALUMINUM	.696 MG/L		-										.0479 MG/L		U
ANTIMONY	.0012 MG/L		UJ										.045 MG/L		U
ARSENIC	.0012 MG/L		-										.001 MG/L		U
BARIUM	.039 MG/L		J										.0323 MG/L		-
BERYLLIUM	.0017 MG/L		U										.001 MG/L		U
CADMIUM	.002 MG/L		U										.003 MG/L		U
CALCIUM	83.5 MG/L		-										85 MG/L		-
CHROMIUM	.004 MG/L		U										.0052 MG/L		U
COBALT	.003 MG/L		U										.006 MG/L		U
COPPER	.0047 MG/L		U										.0053 MG/L		U

SAMPLE NUMBER:	111992			111992			111992			GW930430-1			GW930430-1		
LAB:	IT			IT/MWL			ITAS			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE	.001 MG/L		U										.01 MG/L		U
IRON	.295 MG/L		-										.0293 MG/L		U
LEAD	.001 MG/L		U										.001 MG/L		UJ
MAGNESIUM	20.6 MG/L		-										19.9 MG/L		-
MANGANESE	.0232 MG/L		-										.0038 MG/L		U
MERCURY	.0002 MG/L		U										.0002 MG/L		U
MOLYBDENUM	.003 MG/L		U												
NICKEL	.003 MG/L		U										.019 MG/L		U
POTASSIUM	2.76 MG/L		-										2.76 MG/L		U
SELENIUM	.001 MG/L		U										.002 MG/L		U
SILICON	3.07 MG/L		-												
SILVER	.002 MG/L		U										.003 MG/L		UJ
SODIUM	11.3 MG/L		-										11.4 MG/L		-
THALLIUM	.001 MG/L		U										.001 MG/L		U
VANADIUM	.0069 MG/L		U										.004 MG/L		U
ZINC	.0064 MG/L		U										.0086 MG/L		J
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		UJ									
ALPHA-CHLORDANE				.05 UG/L		U									
AROCLOR-1016				1 UG/L		U									
AROCLOR-1221				2 UG/L		U									
AROCLOR-1232				1 UG/L		U									
AROCLOR-1242				1 UG/L		U									
AROCLOR-1248				1 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		UJ									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN ALDEHYDE				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		UJ									

SAMPLE NUMBER:	111992			111992			111992			GW930430-1			GW930430-1		
LAB:	IT			IT/MWL			ITAS			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
GAMMA-CHLORDANE				.05 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				5 UG/L		U									
RADIONUCLIDES															
URANIUM-238	3.29 PCI/L	.82	-							3.7 PCI/L	.6	J			
URANIUM, TOTAL	9.05 UG/L	1.34	-							12.4 UG/L	.9	J			
URANIUM-234	3.49 PCI/L	.86	-							3.4 PCI/L	.6	J			
THORIUM-230	.46 PCI/L	.21	J							.3 PCI/L	.4	UJ			
RADIUM-226	1 PCI/L	.11	UJ							1 PCI/L	.3	U			
URANIUM-235/236	.22 PCI/L	.13	J							.2 PCI/L	.3	UJ			
THORIUM-232	.2 PCI/L		UJ							.4 PCI/L	.2	UJ			
THORIUM, TOTAL	.5 UG/L	.36	UJ												
RADIUM-228	3 PCI/L		UJ							3 PCI/L	1.4	U			
THORIUM-228	.2 PCI/L		UJ							.3 PCI/L	.5	UJ			
NEPTUNIUM-237	.5 PCI/L	.231	UJ												
PLUTONIUM-239/240	.5 PCI/L	.076	U												
PLUTONIUM-238	.5 PCI/L	.11	U												
STRONTIUM-90	1 PCI/L		UJ												
TECHNETIUM-99	15 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		UJ												
CESIUM-137	11.7 PCI/L		UJ												
GROSS ALPHA	5.74 PCI/L		UJ							7 PCI/L	2.3	NV			
GROSS BETA	7.03 PCI/L	2.57	J							4.5 PCI/L	2.4	NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				25 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		U									
2,4-DINITROPHENOL				25 UG/L		UR									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									

SAMPLE NUMBER:	111992			111992			111992			GW930430-1			GW930430-1		
LAB:	IT			IT/MWL			ITAS			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				25 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				10 UG/L		U									
3-NITROANILINE				25 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				25 UG/L		UR									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				25 UG/L		U									
4-NITROPHENOL				25 UG/L		UR									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		U									
BENZO(K)FLUORANTHENE				10 UG/L		U									
BENZOIC ACID				50 UG/L		UR									
BENZYL ALCOHOL				10 UG/L		UJ									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		UJ									
BUTYL BENZYL PHTHALATE				10 UG/L		UJ									
CARBAZOLE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		UR									
DIBENZO(A,H)ANTHRACENE				10 UG/L		UJ									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		UJ									
HEXACHLOROBUTADIENE				10 UG/L		U									

SAMPLE NUMBER:	111992			111992			111992			GW930430-1			GW930430-1		
LAB:	IT			IT/MWL			ITAS			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
HEXACHLOROCYCLOPENTADIENE				10 UG/L		UJ									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		UJ									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				25 UG/L		UJ									
PHENANTHRENE				10 UG/L		U									
PHENOL	.01 MG/L		U	10 UG/L		U									
PYRENE				10 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		UJ									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		UJ									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		UJ									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		UJ									

SAMPLE NUMBER:	111992			111992			111992			GW930430-1			GW930430-1		
LAB:	IT			IT/MWL			ITAS			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930430-1	GW930430-1	003869	003869	004028
TASK:	50.03.23	50.03.23	3.2.4	3.2.4	3.2.4
LAB:	DATACHEM	FERMCO	IT	IT	IT
WELL OR BORING NUMBER:	2014	2014	2014	2014	2014
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-APR-93	30-APR-93	31-JAN-89	31-JAN-89	31-JAN-89
NORTH COORDINATE:	476802.99	476802.99	476802.99	476802.99	476802.99
EAST COORDINATE:	1379584.94	1379584.94	1379584.94	1379584.94	1379584.94
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	240 MG/L		-												
AMMONIA										.145 MG/L		-			
BICARBONATE ALKALINITY	300 MG/L		-												
CARBONATE ALKALINITY	3 MG/L		U												
CHLORIDE										29 MG/L		-			
FLUORIDE										.098 MG/L		-			
NITRATE										3.59 MG/L		-			
PH	7.9 SU		-							.03 MG/L		-			
PHENOLS										.03 MG/L		-			
SPECIFIC CONDUCTIVITY	610 UMHOS/CM		-												
SULFATE										59.2 MG/L		-			
TOTAL KJELDAHL NITROGEN										.762 MG/L		-			
TOTAL ORGANIC HALIDES										.174 MG/L		R			
TOTAL ORGANIC NITROGEN										.617 MG/L		-			
TOTAL SOLIDS	380 MG/L		-												
INORGANICS															
ARSENIC							.002 MG/L		U						
BARIUM							.036 MG/L		-						
CADMIUM							.002 MG/L		U						
CALCIUM							90 MG/L		-						
CHROMIUM							.025 MG/L		-						
COPPER							.018 MG/L		-						
IRON							.077 MG/L		U						
LEAD							.002 MG/L		U						
MAGNESIUM							23.6 MG/L		-						

SAMPLE NUMBER:	GW930430-1			GW930430-1			003869			003869			004028		
LAB:	DATACHEM			FERMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE							.013 MG/L		-						
MERCURY							.0004 MG/L		-						
MOLYBDENUM							.02 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							2.4 MG/L		-						
SELENIUM							.003 MG/L		-						
SILVER							.0005 MG/L		U						
SODIUM							13.1 MG/L		-						
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL													2.5 UG/L		U
DEMETON													.25 UG/L		U
DIAZINON													.25 UG/L		U
DISULFOTON													.25 UG/L		U
ETHION													.25 UG/L		U
MALATHION													.25 UG/L		U
METHYL PARATHION													.25 UG/L		U
PARATHION													.25 UG/L		U
RADIONUCLIDES															
URANIUM-238										5.7 PCI/L	.9	-			
URANIUM, TOTAL				9.6 UG/L		NV				17 UG/L	3	-			
URANIUM-234										4.2 PCI/L	.8	-			
THORIUM-230										1 PCI/L		U			
RADIUM-226										1.4 PCI/L	.3	-			
URANIUM-235/236										1 PCI/L		U			
THORIUM-232										1 PCI/L		U			
THORIUM, TOTAL										3 UG/L		U			
RADIUM-228										3.2 PCI/L		UJ			
THORIUM-228										1 PCI/L		U			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		UJ			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004212	004212	EMGW_SYSGEN_425	EMGW_SYSGEN_425	EMGW_SYSGEN_425D
TASK:	3.2.4	3.2.4	GWMON	GWMON	GWMON
LAB:	IT	IT	IT	NET	IT
WELL OR BORING NUMBER:	2015	2015	2015	2015	2015
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-MAR-90	01-MAR-90	02-JAN-91	02-JAN-91	02-JAN-91
NORTH COORDINATE:	476148.92	476148.92	476148.92	476148.92	476148.92
EAST COORDINATE:	1380201.29	1380201.29	1380201.29	1380201.29	1380201.29
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					EMGW_SYSGEN_425
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										189 MG/L		NV			
AMMONIA				.1 MG/L		U				.02 MG/L		UNV			
CHLORIDE				8.8 MG/L		-				22 MG/L		NV			
FLUORIDE				.5 MG/L		-				.47 MG/L		NV			
NITRATE				2.21 MG/L		-				2.37 MG/L		NV			
NITRATE/NITRITE										2.37 MG/L		NV			
PH				10 UG/L		U				6.98 SU		NV			
PHENOLS				.01 MG/L		U				.005 MG/L		UNV			
PHOSPHORUS				.15 MG/L		-				.02 MG/L		UNV			
SPECIFIC CONDUCTIVITY										529 UMHOS/CM		NV			
SULFATE				56.6 MG/L		-				61 MG/L		NV			
SULFIDE				.5 MG/L		U									
TOTAL DISSOLVED SOLIDS										356 MG/L		NV			
TOTAL ORGANIC CARBON				4.19 MG/L		-				2 MG/L		NV			
TOTAL ORGANIC HALIDES				.043 MG/L		J									
TOTAL ORGANIC HALOGENS										.02 MG/L		NV			
TOTAL ORGANIC NITROGEN				.122 MG/L		J									
INORGANICS															
ALUMINUM	.134 MG/L		J												
ANTIMONY	.03 MG/L		U												
ARSENIC	.002 MG/L		U												
BARIUM	.0358 MG/L		-												
BERYLLIUM	.001 MG/L		U												
CADMIUM	.002 MG/L		U												
CALCIUM	95.9 MG/L		-												

SAMPLE NUMBER:	004212			004212			EMGW_SYSGEN_425			EMGW_SYSGEN_425			EMGW_SYSGEN_425D		
LAB:	IT			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM	.0685 MG/L		J												
COBALT	.01 MG/L		U												
COPPER	.01 MG/L		U												
CYANIDE				.01 MG/L		R				.005 MG/L		UNV			
IRON	.0546 MG/L		-												
LEAD	.0201 MG/L		-												
MAGNESIUM	23.7 MG/L		-												
MANGANESE	.007 MG/L		J												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.01 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	2.23 MG/L		-												
SELENIUM	.002 MG/L		UJ												
SILVER	.01 MG/L		UJ												
SODIUM	11.8 MG/L		-												
THALLIUM	.002 MG/L		U												
VANADIUM	.0108 MG/L		-												
ZINC	.243 MG/L		J												
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.5 UG/L		U									
AROCLOR-1016				.5 UG/L		U									
AROCLOR-1221				.5 UG/L		U									
AROCLOR-1232				.5 UG/L		U									
AROCLOR-1242				.5 UG/L		U									
AROCLOR-1248				.5 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									

SAMPLE NUMBER:	004212			004212			EMGW_SYSGEN_425			EMGW_SYSGEN_425			EMGW_SYSGEN_425D		
LAB:	IT			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.5 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				1 UG/L		U									
RADIONUCLIDES															
URANIUM-238				60.5 PCI/L	7.8	-	47.5 PCI/L		NV				50.2 PCI/L		NV
URANIUM, TOTAL				290 UG/L	41	-	165 UG/L		NV				146 UG/L		NV
URANIUM-234				59.2 PCI/L	7.7	-	50.6 PCI/L		NV				48.8 PCI/L		NV
THORIUM-230				1 PCI/L		U	.21 PCI/L		UNV				5.14 PCI/L		NV
RADIUM-226				1 PCI/L		UJ	1 PCI/L		UNV				1 PCI/L		UNV
URANIUM-235/236				3.55 PCI/L	.76	-	2.56 PCI/L		NV				3.08 PCI/L		NV
THORIUM-232				1 PCI/L		U	.21 PCI/L		UNV				.2 PCI/L		UNV
THORIUM, TOTAL				2.24 UG/L		U	1.9 UG/L		UNV				1.8 UG/L		UNV
RADIUM-228				3 PCI/L		U	3 PCI/L		UNV				3 PCI/L		UNV
THORIUM-228				1 PCI/L		U	1.1 PCI/L		NV				.693 PCI/L		NV
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA							69.9 PCI/L		NV				74 PCI/L		NV
GROSS BETA							61.4 PCI/L		NV				68 PCI/L		NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				50 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									

SAMPLE NUMBER:	004212			004212			EMGW_SYSGEN_425			EMGW_SYSGEN_425			EMGW_SYSGEN_425D		
LAB:	IT			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DIMETHYLPHENOL				10 UG/L		U									
2,4-DINITROPHENOL				50 UG/L		U									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				50 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				20 UG/L		U									
3-NITROANILINE				50 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				50 UG/L		U									
4-NITROPHENOL				50 UG/L		U									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		U									
BENZO(K)FLUORANTHENE				10 UG/L		U									
BENZOIC ACID				50 UG/L		U									
BENZYL ALCOHOL				10 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		U									
DIBENZO(A,H)ANTHRACENE				10 UG/L		U									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									

SAMPLE NUMBER:	004212			004212			EMGW_SYSGEN_425			EMGW_SYSGEN_425			EMGW_SYSGEN_425D		
LAB:	IT			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		U									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		U									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				50 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		U				.005 MG/L		UNV			
PYRENE				10 UG/L		UJ									
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		U				7.4 UG/L		NV			
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				5 UG/L		U				1 UG/L		UNV			
1,1-DICHLOROETHANE				5 UG/L		U				1 UG/L		UNV			
1,1-DICHLOROETHENE				5 UG/L		U				1 UG/L		UNV			
1,2-DICHLOROETHANE				5 UG/L		U				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U				1 UG/L		UNV			
1,2-DICHLOROPROPANE				5 UG/L		U				1 UG/L		UNV			
2-BUTANONE				35 UG/L		U				2 UG/L		UNV			
2-HEXANONE				10 UG/L		U				2 UG/L		UNV			
4-METHYL-2-PENTANONE				10 UG/L		U				2 UG/L		UNV			
ACETONE				10 UG/L		U				2 UG/L		UNV			
BENZENE				5 UG/L		U				1 UG/L		UNV			
BROMODICHLOROMETHANE				5 UG/L		U				1 UG/L		UNV			
BROMOFORM				5 UG/L		U				1 UG/L		UNV			
BROMOMETHANE				10 UG/L		U				1 UG/L		UNV			
CARBON DISULFIDE				5 UG/L		U				1 UG/L		UNV			
CARBON TETRACHLORIDE				5 UG/L		U				1 UG/L		UNV			
CHLOROBENZENE				5 UG/L		U				1 UG/L		UNV			
CHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
CHLOROFORM				2 UG/L		J				1 UG/L		UNV			

SAMPLE NUMBER:	004212			004212			EMGW_SYSGEN_425			EMGW_SYSGEN_425			EMGW_SYSGEN_425D		
LAB:	IT			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROMETHANE				10 UG/L		UJ				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				5 UG/L		U				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				5 UG/L		U				1 UG/L		UNV			
ETHYLBENZENE				5 UG/L		U				1 UG/L		UNV			
METHYLENE CHLORIDE				47 UG/L		U				1 UG/L		UNV			
STYRENE				5 UG/L		U				1 UG/L		UNV			
TETRACHLOROETHENE				5 UG/L		U				1 UG/L		UNV			
TOLUENE				5 UG/L		U				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U				1 UG/L		UNV			
TRICHLOROETHENE				5 UG/L		U				1 UG/L		UNV			
VINYL ACETATE				10 UG/L		U				2 UG/L		UNV			
VINYL CHLORIDE				10 UG/L		U				1 UG/L		UNV			
XYLENES, TOTAL				5 UG/L		U				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_425D			003395			003395			003396			003396		
TASK:	GWMON			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2015			2015			2015			2015			2015		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-JAN-91			03-AUG-88			03-AUG-88			03-AUG-88			03-AUG-88		
NORTH COORDINATE:	476148.92			476148.92			476148.92			476148.92			476148.92		
EAST COORDINATE:	1380201.29			1380201.29			1380201.29			1380201.29			1380201.29		
QA TYPE:	DUPLICATE			NORMAL			NORMAL			DUPLICATE			DUPLICATE		
QC OF:	EMGW_SYSGEN_425									003395			003395		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	188 MG/L		NV												
AMMONIA	.02 MG/L		UNV				.1 MG/L		UJ				.1 MG/L		UJ
CHLORIDE	22 MG/L		NV				23 MG/L		J				23 MG/L		J
FLUORIDE	.4 MG/L		NV				1.8 MG/L		J				.9 MG/L		J
NITRATE	2.48 MG/L		NV				3.6 MG/L		J				3.7 MG/L		J
NITRATE/NITRITE	2.48 MG/L		NV												
PH	7.44 SU		NV				.05 MG/L		U				.05 MG/L		U
PHENOLS	.005 MG/L		UNV				.05 MG/L		U				.05 MG/L		U
PHOSPHORUS	.05 MG/L		NV				.03 MG/L		J				.03 MG/L		J
SPECIFIC CONDUCTIVITY	631 UMHOS/CM		NV												
SULFATE	65 MG/L		NV				61 MG/L		J				58 MG/L		J
TOTAL DISSOLVED SOLIDS	412 MG/L		NV												
TOTAL ORGANIC CARBON	2 MG/L		NV												
TOTAL ORGANIC HALOGENS	.027 MG/L		NV												
TOTAL ORGANIC NITROGEN							.1 MG/L		UJ				.1 MG/L		UJ
INORGANICS															
ARSENIC				.01 MG/L		U				.01 MG/L		U			
BARIUM				.2 MG/L		U				.2 MG/L		U			
CADMIUM				.005 MG/L		U				.005 MG/L		U			
CALCIUM				82 MG/L		J				82 MG/L		J			
CHROMIUM				.01 MG/L		U				.01 MG/L		U			
COPPER				.03 MG/L		U				.03 MG/L		U			
CYANIDE	.005 MG/L		UNV												
IRON				.1 MG/L		U				.1 MG/L		U			
LEAD				.005 MG/L		U				.005 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_425D			003395			003395			003396			003396		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MAGNESIUM				18 MG/L		J				18 MG/L		J			
MANGANESE				.02 MG/L		U				.02 MG/L		U			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.05 MG/L		U				.05 MG/L		U			
NICKEL				.04 MG/L		U				.04 MG/L		U			
POTASSIUM				5 MG/L		UJ				5 MG/L		UJ			
SELENIUM				.005 MG/L		U				.005 MG/L		U			
SILVER				.01 MG/L		U				.01 MG/L		U			
SODIUM				11 MG/L		J				11 MG/L		J			
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							62.5 PCI/L	8.7	J				60.9 PCI/L	7.7	J
URANIUM, TOTAL							169 UG/L	27	-				178 UG/L	29	-
URANIUM-234							61.2 PCI/L	8.5	J				61.1 PCI/L	7.7	J
THORIUM-230							1 PCI/L		UJ				1.3 PCI/L		UJ
RADIUM-226							1.5 PCI/L	.4	-				1 PCI/L		U
URANIUM-235/236							3 PCI/L	.8	J				2.1 PCI/L	.6	J
THORIUM-232							1 PCI/L		UJ				1.3 PCI/L		UJ
THORIUM, TOTAL							3 UG/L		UJ				12 UG/L		UJ
RADIUM-228							3 PCI/L		UJ				3 PCI/L		UJ
THORIUM-228							1 PCI/L		UJ				1.3 PCI/L		UJ
NEPTUNIUM-237							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		UJ				1 PCI/L		UJ
PLUTONIUM-238							1 PCI/L		UJ				1 PCI/L		UJ
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	7 UG/L		NV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_425D			003395			003395			003396			003396		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

E NUMBER:	003550	003881	003881	003881	003881
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2015	2015	2015	2015	2015
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-FEB-89	06-FEB-89	06-FEB-89	06-FEB-89	06-FEB-89
NORTH COORDINATE:	476148.92	476148.92	476148.92	476148.92	476148.92
EAST COORDINATE:	1380201.29	1380201.29	1380201.29	1380201.29	1380201.29
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	F-FIL	NONE-FIL	NONE-UNF	U-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		U			
CHLORIDE										19 MG/L		-			
FLUORIDE										.44 MG/L		-			
NITRATE										1.98 MG/L		J			
PHENOLS										.01 MG/L		R			
PHOSPHORUS										.18 MG/L		J			
SULFATE										63 MG/L		-			
TOTAL KJELDAHL NITROGEN										.808 MG/L		J			
TOTAL ORGANIC HALIDES										.05 MG/L		U			
TOTAL ORGANIC NITROGEN										.808 MG/L		J			
INORGANICS															
ARSENIC							.002 MG/L		-						
BARIUM							.042 MG/L		-						
CADMIUM							.005 MG/L		-						
CALCIUM							84.3 MG/L		-						
CHROMIUM							.024 MG/L		-						
COPPER							.021 MG/L		-						
IRON							.041 MG/L		U						
LEAD							.002 MG/L		U						
MAGNESIUM							22.1 MG/L		-						
MANGANESE							.01 MG/L		U						
MERCURY							.0002 MG/L		UJ						
MOLYBDENUM							.02 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							2.52 MG/L		-						

SAMPLE NUMBER:	003550			003881			003881			003881			003881		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-FIL			NONE-UNF			U-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM							.002 MG/L		U						
SILVER							.0005 MG/L		U						
SODIUM							10.6 MG/L		-						
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL	2.5 UG/L		R												
DEMETON	.25 UG/L		R												
DIAZINON	.25 UG/L		R												
DISULFOTON	.25 UG/L		R												
ETHION	.25 UG/L		R												
MALATHION	.25 UG/L		R												
METHYL PARATHION	.25 UG/L		R												
PARATHION	.25 UG/L		R												
RADIONUCLIDES															
URANIUM-238				73.7 PCI/L	10.5	-							69.8 PCI/L	9.5	-
URANIUM, TOTAL				199 UG/L	33	J							186 UG/L	31	J
URANIUM-234				63.9 PCI/L	9.3	-							62.9 PCI/L	8.7	-
THORIUM-230				1.4 PCI/L		U							1 PCI/L		U
RADIUM-226				1 PCI/L		U							1 PCI/L		U
URANIUM-235/236				3.3 PCI/L	1.5	-							2.5 PCI/L	1.1	-
THORIUM-232				1.4 PCI/L		U							1 PCI/L		U
THORIUM, TOTAL				13 UG/L		U							8 UG/L		U
RADIUM-228				3 PCI/L		UJ							3.2 PCI/L		UJ
THORIUM-228				2.2 PCI/L	1.2	-							1 PCI/L	.6	-
NEPTUNIUM-237				1.1 PCI/L		U							1.1 PCI/L		U
PLUTONIUM-239/240				1 PCI/L		U							1 PCI/L		U
PLUTONIUM-238				1 PCI/L		U							1 PCI/L		U
STRONTIUM-90				5 PCI/L		U							5 PCI/L		U
TECHNETIUM-99				30 PCI/L		UJ							30 PCI/L		UJ
RUTHENIUM-106				150 PCI/L		R							150 PCI/L		R
CESIUM-137				20 PCI/L		R							20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_424	EMGW_SYSGEN_424	003684	003684	003684
TASK:	GWMON	GWMON	3.2.4	3.2.4	3.2.4
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	2015	2015	2015	2015	2015
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-SEP-90	06-SEP-90	07-NOV-88	07-NOV-88	07-NOV-88
NORTH COORDINATE:	476148.92	476148.92	476148.92	476148.92	476148.92
EAST COORDINATE:	1380201.29	1380201.29	1380201.29	1380201.29	1380201.29
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	F-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				197 MG/L		NV									
AMMONIA													.1 MG/L		U
CHLORIDE				19 MG/L		NV							22.5 MG/L		-
FLUORIDE				.43 MG/L		NV							.26 MG/L		-
NITRATE				3 MG/L		NV							1.35 MG/L		-
NITRATE, AS NITROGEN				3 MG/L		NV									
PH				7.44 SU		NV							.01 MG/L		UJ
PHENOLS				.005 MG/L		UNV							.01 MG/L		UJ
PHOSPHORUS													.02 MG/L		U
SPECIFIC CONDUCTIVITY				536 UMHOS/CM		NV									
SULFATE				59 MG/L		NV							122 MG/L		-
TOTAL DISSOLVED SOLIDS				455 MG/L		NV									
TOTAL KJELDAHL NITROGEN													.1 MG/L		UJ
TOTAL ORGANIC CARBON				1 MG/L		NV									
TOTAL ORGANIC HALIDES													.05 MG/L		U
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN													.1 MG/L		U
INORGANICS															
ARSENIC										.002 MG/L		U			
BARIUM										.04 MG/L		-			
CADMIUM										.002 MG/L		U			
CALCIUM										76.9 MG/L		-			
CHROMIUM										.02 MG/L		U			
COPPER										.01 MG/L		U			
IRON										.01 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_424			EMGW_SYSGEN_424			003684			003684			003684		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD										.021 MG/L		R			
MAGNESIUM										19.4 MG/L		-			
MANGANESE										.001 MG/L		U			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										2.37 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILVER										.01 MG/L		U			
SODIUM										9.9 MG/L		-			
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	56.8 PCI/L		NV				59.1 PCI/L	7.3	-						
URANIUM, TOTAL	171 UG/L		NV				179 UG/L	30	-						
URANIUM-234	58.2 PCI/L		NV				52.9 PCI/L	6.5	-						
THORIUM-230	.289 PCI/L		NV				1 PCI/L		U						
RADIUM-226	1 PCI/L		UNV				1 PCI/L		U						
URANIUM-235/236	4.6 PCI/L		NV				3 PCI/L	.6	-						
THORIUM-232	.2 PCI/L		UNV				1 PCI/L		U						
THORIUM, TOTAL	1.7 UG/L		UNV				4 UG/L		U						
RADIUM-228	3 PCI/L		UNV				3 PCI/L		U						
THORIUM-228	.346 PCI/L		NV				1 PCI/L		U						
NEPTUNIUM-237							1 PCI/L		U						
PLUTONIUM-239/240							1 PCI/L		R						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
GROSS ALPHA	79.1 PCI/L		NV												
GROSS BETA	77.1 PCI/L		NV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				60 UG/L		UNV									

VOLATILES

1,1,1-TRICHLOROETHANE 7.5 UG/L NV
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_424			EMGW_SYSGEN_424			003684			003684			003684		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003684	EMGW_SYSGEN_422	EMGW_SYSGEN_422	GW930810-9	GW930810-9
TASK:	3.2.4	GWMON	GWMON	50.03.22	50.03.22
LAB:	IT	IT	NET	CORE	FERMCO
WELL OR BORING NUMBER:	2015	2015	2015	2015	2015
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-NOV-88	08-MAR-90	08-MAR-90	10-AUG-93	10-AUG-93
NORTH COORDINATE:	476148.92	476148.92	476148.92	476148.92	476148.92
EAST COORDINATE:	1380201.29	1380201.29	1380201.29	1380201.29	1380201.29
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	U-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238	56.9 PCI/L	7.1	-	48.2 PCI/L		NV									
URANIUM, TOTAL	185 UG/L	30	-	145 UG/L		NV				129 UG/L	9.1	-	140 UG/L		NV
URANIUM-234	56.8 PCI/L	7.1	-	71.6 PCI/L		NV									
THORIUM-230	1 PCI/L		U												
RADIUM-226	1 PCI/L		U							1 PCI/L	.3	UJ			
URANIUM-235/236	2.9 PCI/L	.6	-	3.29 PCI/L		NV									
THORIUM-232	1 PCI/L		U												
THORIUM, TOTAL	6 UG/L		U												
RADIUM-228	5.8 PCI/L	1.7	J							3 PCI/L	1.1	UJ			
THORIUM-228	1 PCI/L		U												
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		R												
PLUTONIUM-238	1 PCI/L		U												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA										67.3 PCI/L	4	NV			
GROSS BETA										47 PCI/L	2.5	NV			
VOLATILES															
1,1,1-TRICHLOROETHANE							6.2 UG/L		NV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						

SAMPLE NUMBER:	003684			EMGW_SYSGEN_422			EMGW_SYSGEN_422			GW930810-9			GW930810-9		
LAB:	IT			IT			NET			CORE			FERMCO		
SUFFIX/FILTERFLAG:	U-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							1 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

000277

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930810-9	GW930810-9	EMGW_SYSGEN_426	EMGW_SYSGEN_426	EMGW_SYSGEN_423
TASK:	50.03.22	50.03.22	GWMON	GWMON	GWMON
LAB:	NET	NET	IT	NET	IT
WELL OR BORING NUMBER:	2015	2015	2015	2015	2015
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-AUG-93	10-AUG-93	11-MAR-91	11-MAR-91	14-JUN-90
NORTH COORDINATE:	476148.92	476148.92	476148.92	476148.92	476148.92
EAST COORDINATE:	1380201.29	1380201.29	1380201.29	1380201.29	1380201.29
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				160 MG/L		-				218 MG/L		NV			
AMMONIA										.02 MG/L		UNV			
BICARBONATE ALKALINITY				214 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE										21 MG/L		NV			
FLUORIDE										.4 MG/L		NV			
NITRATE, AS NITROGEN										2.21 MG/L		NV			
PH				7.74 SU		-				7.45 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										.26 MG/L		NV			
SPECIFIC CONDUCTIVITY				410 UMHOS/CM		-				549 UMHOS/CM		NV			
SULFATE										64 MG/L		NV			
TOTAL DISSOLVED SOLIDS	234 MG/L		-							294 MG/L		NV			
TOTAL ORGANIC CARBON										3 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL SOLIDS				320 MG/L		-									
INORGANICS															
ALUMINUM										.5 MG/L		UNV			
ANTIMONY										.025 MG/L		UNV			
ARSENIC										.0025 MG/L		UNV			
BARIUM										.2 MG/L		UNV			
BERYLLIUM										.01 MG/L		UNV			
CADMIUM										.001 MG/L		UNV			
CALCIUM										55.6 MG/L		NV			
CHROMIUM										.005 MG/L		UNV			

SAMPLE NUMBER:	GW930810-9			GW930810-9			EMGW_SYSGEN_426			EMGW_SYSGEN_426			EMGW_SYSGEN_423		
LAB:	NET			NET			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT										.025 MG/L		UNV			
COPPER										.025 MG/L		UNV			
CYANIDE										.005 MG/L		UNV			
IRON										.077 MG/L		NV			
LEAD										.005 MG/L		UNV			
MAGNESIUM										20.4 MG/L		NV			
MANGANESE										.02 MG/L		UNV			
MERCURY										.0002 MG/L		UNV			
MOLYBDENUM										.025 MG/L		UNV			
NICKEL										.005 MG/L		UNV			
POTASSIUM										3.64 MG/L		NV			
SELENIUM										.0025 MG/L		UNV			
SILVER										.001 MG/L		UNV			
SODIUM										13.6 MG/L		NV			
THALLIUM										.01 MG/L		UNV			
VANADIUM										.05 MG/L		UNV			
ZINC										.02 MG/L		UNV			
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238							60.4 PCI/L		NV				61.4 PCI/L		NV
URANIUM, TOTAL							189 UG/L		NV				184 UG/L		NV
URANIUM-234							58.5 PCI/L		NV				61.4 PCI/L		NV
THORIUM-230							.299 PCI/L		NV				.22 PCI/L		UNV
RADIUM-226							1 PCI/L		UNV				1 PCI/L		UNV
URANIUM-235/236							3.52 PCI/L		NV				4.42 PCI/L		NV
THORIUM-232							.2 PCI/L		UNV				.657 PCI/L		NV
THORIUM, TOTAL							1.6 UG/L		UNV				5.93 UG/L		NV
RADIUM-228							3 PCI/L		UNV				3 PCI/L		UNV
THORIUM-228							1.48 PCI/L		NV				.962 PCI/L		NV
NEPTUNIUM-237							.5 PCI/L		UNV						
PLUTONIUM-239/240							.5 PCI/L		UNV						
PLUTONIUM-238							.5 PCI/L		UNV						
TECHNETIUM-99							15 PCI/L		UNV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							6.1 PCI/L		UNV						
GROSS ALPHA							99.3 PCI/L		NV				154 PCI/L		NV
GROSS BETA							72.1 PCI/L		NV				87.1 PCI/L		NV

SAMPLE NUMBER:	GW930810-9			GW930810-9			EMGW_SYSGEN_426			EMGW_SYSGEN_426			EMGW_SYSGEN_423		
LAB:	NET			NET			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_423			003097			003097			GW930524-16			GW930524-16		
TASK:	GWMON			3.2.4			3.2.4			50.03.23			50.03.23		
LAB:	NET			IT			IT			CORE			CORE		
WELL OR BORING NUMBER:	2015			2015			2015			2015			2015		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	14-JUN-90			19-APR-88			19-APR-88			24-MAY-93			24-MAY-93		
NORTH COORDINATE:	476148.92			476148.92			476148.92			476148.92			476148.92		
EAST COORDINATE:	1380201.29			1380201.29			1380201.29			1380201.29			1380201.29		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		R						
CHLORIDE	24 MG/L		NV				19.6 MG/L		J						
FLUORIDE							.62 MG/L		J						
NITRATE	3.23 MG/L		NV				.95 MG/L		J						
NITRATE, AS NITROGEN	3.23 MG/L		NV												
PHENOLS							.01 MG/L		R						
PHOSPHORUS							.05 MG/L		R						
SULFATE	58 MG/L		NV				52 MG/L		J						
TOTAL ORGANIC CARBON	1 MG/L		UNV												
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.6 MG/L		J						
INORGANICS															
ALUMINUM				.07 MG/L		U									
ANTIMONY				.0007 MG/L		U									
ARSENIC				.002 MG/L		U									
BARIUM				.036 MG/L		R									
BERYLLIUM				.001 MG/L		U									
CADMIUM				.002 MG/L		U									
CALCIUM				70.1 MG/L		-									
CHROMIUM				.02 MG/L		R									
COBALT				.01 MG/L		U									
COPPER				.01 MG/L		R									
CYANIDE							.01 MG/L		U						
IRON				.016 MG/L		U									
LEAD				.002 MG/L		UJ									

SAMPLE NUMBER:	EMGW_SYSGEN_423			003097			003097			GW930524-16			GW930524-16		
LAB:	NET			IT			IT			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MAGNESIUM				19.2 MG/L		-									
MANGANESE				.002 MG/L		U									
MERCURY				.0002 MG/L		UJ									
MOLYBDENUM				.02 MG/L		UJ									
NICKEL				.02 MG/L		U									
POTASSIUM				3.25 MG/L		-									
SELENIUM				.002 MG/L		UJ									
SILVER				.005 MG/L		UJ									
SODIUM				10.4 MG/L		-									
THALLIUM				.001 MG/L		UJ									
VANADIUM				.019 MG/L		U									
ZINC				.0194 MG/L		-									
PESTICIDES															
4,4'-DDD							.1 UG/L		U						
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						
ALDRIN							.05 UG/L		U						
ALPHA-BHC							.05 UG/L		U						
ALPHA-CHLORDANE							.5 UG/L		U						
AROCLOR-1016							.5 UG/L		U						
AROCLOR-1221							.5 UG/L		U						
AROCLOR-1232							.5 UG/L		U						
AROCLOR-1242							.5 UG/L		U						
AROCLOR-1248							.5 UG/L		U						
AROCLOR-1254							1 UG/L		U						
AROCLOR-1260							1 UG/L		U						
BETA-BHC							.05 UG/L		U						
DELTA-BHC							.05 UG/L		U						
DIELDRIN							.05 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.05 UG/L		U						
ENDRIN KETONE							.1 UG/L		U						
GAMMA-BHC (LINDANE)							.05 UG/L		U						
GAMMA-CHLORDANE							.5 UG/L		U						
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							1 UG/L		U						

SAMPLE NUMBER:	EMGW_SYSGEN_423			003097			003097			GW930524-16			GW930524-16		
LAB:	NET			IT			IT			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238							53.5 PCI/L	9.9	-	59.1 PCI/L	11.1	J	66.4 PCI/L	7.7	-
URANIUM, TOTAL							168 UG/L	24	J	197 UG/L	13.8	-	199 UG/L	13.9	-
URANIUM-234							54.3 PCI/L	10	-	57.8 PCI/L	10.9	J	6.8 PCI/L	7.5	-
THORIUM-230							1 PCI/L		U	.2 PCI/L	.3	UJ	.3 PCI/L	.3	-
RADIUM-226							1 PCI/L		UJ	1 PCI/L	.3	UJ	1 PCI/L	.2	U
URANIUM-235/236							2.4 PCI/L	1.1	-	3.5 PCI/L	1.1	J	2.9 PCI/L	.6	-
THORIUM-232							1 PCI/L		U	.2 PCI/L	.2	UJ	.2 PCI/L	.2	U
RADIUM-228							3.2 PCI/L		UJ	3 PCI/L	1.1	U	3 PCI/L	1.5	U
THORIUM-228							1 PCI/L		U	.3 PCI/L	.2	UJ	.2 PCI/L	.2	U
NEPTUNIUM-237							1 PCI/L		UJ						
PLUTONIUM-239/240							1 PCI/L		UJ						
PLUTONIUM-238							1 PCI/L		UJ						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
GROSS ALPHA										95 PCI/L	6.6	NV	67.3 PCI/L	5.4	NV
GROSS BETA										63.4 PCI/L	4	NV	54.3 PCI/L	3	NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U						
1,2-DICHLOROBENZENE							10 UG/L		U						
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							50 UG/L		U						
2,4,6-TRICHLOROPHENOL							10 UG/L		U						
2,4-DICHLOROPHENOL							10 UG/L		U						
2,4-DIMETHYLPHENOL							10 UG/L		U						
2,4-DINITROPHENOL							50 UG/L		UJ						
2,4-DINITROTOLUENE							10 UG/L		U						
2,6-DINITROTOLUENE							10 UG/L		U						
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		U						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		U						
2-NITROANILINE							50 UG/L		U						
2-NITROPHENOL							10 UG/L		U						
3,3'-DICHLOROBENZIDINE							20 UG/L		U						
3-NITROANILINE							50 UG/L		UJ						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		U						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						

SAMPLE NUMBER:	EMGW_SYSGEN_423			003097			003097			GW930524-16			GW930524-16		
LAB:	NET			IT			IT			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-CHLORO-3-METHYLPHENOL							10 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		U						
4-NITROANILINE							50 UG/L		UJ						
4-NITROPHENOL							50 UG/L		U						
ACENAPHTHENE							10 UG/L		U						
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		U						
BENZO(B)FLUORANTHENE							10 UG/L		U						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZOIC ACID							50 UG/L		U						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U						
BIS(2-ETHYLHEXYL)PHTHALATE							1 UG/L		J						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						
DI-N-OCTYL PHTHALATE							10 UG/L		U						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U						
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		U						
NITROBENZENE							10 UG/L		U						
P-CHLOROANILINE							10 UG/L		UJ						
PENTACHLOROPHENOL							50 UG/L		U						

SAMPLE NUMBER:	EMGW_SYSGEN_423			003097			003097			GW930524-16			GW930524-16		
LAB:	NET			IT			IT			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PHENANTHRENE							10 UG/L		U						
PHENOL							10 UG/L		U						
PYRENE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE	6.1 UG/L		NV				6 UG/L		-						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				5 UG/L		U						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				5 UG/L		U						
1,1-DICHLOROETHANE	1 UG/L		UNV				5 UG/L		U						
1,1-DICHLOROETHENE	1 UG/L		UNV				5 UG/L		U						
1,2-DICHLOROETHANE	1 UG/L		UNV				5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				5 UG/L		U						
1,2-DICHLOROPROPANE	1 UG/L		UNV				5 UG/L		U						
2-BUTANONE	10 UG/L		UNV				10 UG/L		R						
2-HEXANONE	10 UG/L		UNV				10 UG/L		UJ						
4-METHYL-2-PENTANONE	2 UG/L		UNV				10 UG/L		UJ						
ACETONE	10 UG/L		UNV				10 UG/L		U						
BENZENE	1 UG/L		UNV				5 UG/L		UJ						
BROMODICHLOROMETHANE	1 UG/L		UNV				5 UG/L		U						
BROMOFORM	1 UG/L		UNV				5 UG/L		U						
BROMOMETHANE	10 UG/L		UNV				10 UG/L		U						
CARBON DISULFIDE	1 UG/L		UNV				5 UG/L		U						
CARBON TETRACHLORIDE	1 UG/L		UNV				5 UG/L		U						
CHLOROBENZENE	1 UG/L		UNV				5 UG/L		UJ						
CHLOROETHANE							10 UG/L		UJ						
CHLOROFORM	1 UG/L		UNV				5 UG/L		U						
CHLOROMETHANE	10 UG/L		UNV				10 UG/L		U						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				5 UG/L		U						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				5 UG/L		U						
ETHYLBENZENE	1 UG/L		UNV				5 UG/L		UJ						
METHYLENE CHLORIDE	5 UG/L		UNV				5 UG/L		U						
STYRENE	1 UG/L		UNV				5 UG/L		UJ						
TETRACHLOROETHENE	1 UG/L		UNV				5 UG/L		U						
TOLUENE	1 UG/L		UNV				5 UG/L		UJ						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				5 UG/L		U						
TRICHLOROETHENE	1 UG/L		UNV				5 UG/L		U						
VINYL ACETATE	2 UG/L		UNV				10 UG/L		U						
VINYL CHLORIDE	10 UG/L		UNV				10 UG/L		U						
XYLENES, TOTAL	1 UG/L		UNV				5 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930524-16	GW930524-16	GW930524-16	GW930524-16	EMGW_SYSGEN_427
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	GWMON
LAB:	FERMCO	FERMCO	NET	NET	NET
WELL OR BORING NUMBER:	2015	2015	2015	2015	2015
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-MAY-93	24-MAY-93	24-MAY-93	24-MAY-93	24-SEP-91
NORTH COORDINATE:	476148.92	476148.92	476148.92	476148.92	476148.92
EAST COORDINATE:	1380201.29	1380201.29	1380201.29	1380201.29	1380201.29
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										244 MG/L		J			
AMMONIA										.02 MG/L		-			
BICARBONATE ALKALINITY										305 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										21 MG/L		-			
FLUORIDE										.46 MG/L		-			
NITRATE/NITRITE										1.82 MG/L		-			
PH										7.57 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.1 MG/L		UJ			
SPECIFIC CONDUCTIVITY										553 UMHOS/CM		-			
SULFATE										61 MG/L		J			
TOTAL DISSOLVED SOLIDS							364 MG/L		-						
TOTAL KJELDAHL NITROGEN										.1 MG/L		U			
TOTAL ORGANIC CARBON										1 MG/L		UJ			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.1 MG/L		U			
TOTAL SOLIDS										332 MG/L		-			
INORGANICS															
ALUMINUM							.02 MG/L		U	.025 MG/L		-	.2 MG/L		UNV
ANTIMONY							.045 MG/L		U	.045 MG/L		UJ	.02 MG/L		UNV
ARSENIC							.002 MG/L		U	.002 MG/L		U	.005 MG/L		UNV
BARIUM							.0434 MG/L		-	.0427 MG/L		-	.2 MG/L		UNV
BERYLLIUM							.001 MG/L		U	.001 MG/L		U	.005 MG/L		UNV
CADMIUM							.003 MG/L		UJ	.003 MG/L		U	.001 MG/L		UNV

SAMPLE NUMBER:	GW930524-16			GW930524-16			GW930524-16			GW930524-16			EMGW_SYSGEN_427		
LAB:	FERMCO			FERMCO			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM							85.8 MG/L		-	82.8 MG/L		-	59 MG/L		NV
CHROMIUM							.005 MG/L		U	.005 MG/L		U			
COBALT							.008 MG/L		U	.008 MG/L		U	.005 MG/L		UNV
COPPER							.0064 MG/L		U	.0072 MG/L		U	.02 MG/L		UNV
CYANIDE							.01 MG/L		U	.01 MG/L		UJ			
IRON							.015 MG/L		U	.0571 MG/L		-	.1 MG/L		UNV
LEAD							.0014 MG/L		-	.0013 MG/L		J	.003 MG/L		UNV
MAGNESIUM							22.3 MG/L		-	22 MG/L		-	20 MG/L		NV
MANGANESE							.001 MG/L		U	.0022 MG/L		-	.015 MG/L		UNV
MERCURY							.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		UNV
MOLYBDENUM													.01 MG/L		UNV
NICKEL							.02 MG/L		U	.02 MG/L		U	.01 MG/L		UNV
POTASSIUM							2.85 MG/L		-	2.9 MG/L		-	2.7 MG/L		NV
SELENIUM							.0012 MG/L		-	.0014 MG/L		J	.005 MG/L		UNV
SILVER							.007 MG/L		U	.007 MG/L		U	.001 MG/L		UNV
SODIUM							10.1 MG/L		-	10.4 MG/L		-	11 MG/L		NV
THALLIUM							.002 MG/L		U	.002 MG/L		U	.01 MG/L		UNV
VANADIUM							.003 MG/L		U	.003 MG/L		U	.01 MG/L		UNV
ZINC							.0108 MG/L		U	.0139 MG/L		U	.02 MG/L		UNV
RADIONUCLIDES															
URANIUM, TOTAL	180 UG/L		NV	180 UG/L		NV									
VOLATILES															
1,1,1-TRICHLOROETHANE										6 UG/L		J			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			

000287

SAMPLE NUMBER:	GW930524-16			GW930524-16			GW930524-16			GW930524-16			EMGW_SYSGEN_427		
LAB:	FERMCO			FERMCO			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		UR			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		UJ			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_427			EMGW_SYSGEN_427			EMGW_SYSGEN_428			EMGW_SYSGEN_428			EMGW_SYSGEN_428		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			WMCO			NET			NET			WMCO		
WELL OR BORING NUMBER:	2015			2015			2015			2015			2015		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	24-SEP-91			24-SEP-91			31-OCT-91			31-OCT-91			31-OCT-91		
NORTH COORDINATE:	476148.92			476148.92			476148.92			476148.92			476148.92		
EAST COORDINATE:	1380201.29			1380201.29			1380201.29			1380201.29			1380201.29		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	208 MG/L		NV							208 MG/L		NV			
BICARBONATE	207 MG/L		NV							205 MG/L		NV			
CARBONATE ALKALINITY	1 MG/L		NV							3 MG/L		NV			
CHLORIDE	25 MG/L		NV							25 MG/L		NV			
NITRATE, AS NITROGEN	1.67 MG/L		NV							2.07 MG/L		NV			
PH	7.41 SU		NV							7.4 SU		NV			
SPECIFIC CONDUCTIVITY	556 UMHOS/CM		NV							570 UMHOS/CM		NV			
SULFATE	59 MG/L		NV							54 MG/L		NV			
TOTAL DISSOLVED SOLIDS	310 MG/L		NV							305 MG/L		NV			
TOTAL ORGANIC CARBON	8 MG/L		NV							8 MG/L		NV			
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV							.017 MG/L		NV			
INORGANICS															
ALUMINUM							.2 MG/L		UNV						
ANTIMONY							.02 MG/L		UNV						
ARSENIC							.005 MG/L		UNV						
BARIUM							.2 MG/L		UNV						
BERYLLIUM							.005 MG/L		UNV						
CADMIUM							.001 MG/L		UNV						
CALCIUM							60.1 MG/L		NV						
CHROMIUM	.0041 MG/L		NV							.002 MG/L		UNV			
COBALT							.005 MG/L		UNV						
COPPER							.02 MG/L		UNV						
IRON							.1 MG/L		UNV						
LEAD							.003 MG/L		UNV						
MAGNESIUM							19.7 MG/L		NV						

SAMPLE NUMBER:	EMGW_SYSGEN_427			EMGW_SYSGEN_427			EMGW_SYSGEN_428			EMGW_SYSGEN_428			EMGW_SYSGEN_428		
LAB:	NET			WMCO			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE							.015 MG/L		UNV						
MERCURY							.0002 MG/L		UNV						
MOLYBDENUM							.01 MG/L		UNV						
NICKEL							.01 MG/L		UNV						
POTASSIUM							2.9 MG/L		NV						
SELENIUM							.005 MG/L		UNV						
SILVER							.001 MG/L		UNV						
SODIUM							11.9 MG/L		NV						
THALLIUM							.01 MG/L		UNV						
VANADIUM							.05 MG/L		UNV						
ZINC							.037 MG/L		NV						
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
RADIONUCLIDES															
URANIUM, TOTAL				165 UG/L		NV							171 UG/L		NV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV							10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE	6.3 UG/L		UNV							4.7 UG/L		NV			
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,1,2-TRICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,1-DICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,1-DICHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROPROPANE	1 UG/L		UNV							1 UG/L		UNV			
2-BUTANONE	2 UG/L		UNV							2 UG/L		UNV			
2-HEXANONE	2 UG/L		UNV							2 UG/L		UNV			
4-METHYL-2-PENTANONE	2 UG/L		UNV							2 UG/L		UNV			
ACETONE	2 UG/L		UNV							2 UG/L		UNV			
BENZENE	1 UG/L		UNV							1 UG/L		UNV			
BROMODICHLOROMETHANE	1 UG/L		UNV							1 UG/L		UNV			
BROMOFORM	1 UG/L		UNV							1 UG/L		UNV			
BROMOMETHANE	1 UG/L		UNV							1 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_427			EMGW_SYSGEN_427			EMGW_SYSGEN_428			EMGW_SYSGEN_428			EMGW_SYSGEN_428		
LAB:	NET			WMCO			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON DISULFIDE	1 UG/L		UNV							1 UG/L		UNV			
CARBON TETRACHLORIDE	1 UG/L		UNV							1 UG/L		UNV			
CHLOROBENZENE	1 UG/L		UNV							1 UG/L		UNV			
CHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
CHLOROFORM	1 UG/L		UNV							1 UG/L		UNV			
CHLOROMETHANE	1 UG/L		UNV							1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV							1 UG/L		UNV			
DIBROMOCHLOROMETHANE	1 UG/L		UNV							1 UG/L		UNV			
ETHYLBENZENE	1 UG/L		UNV							1 UG/L		UNV			
METHYLENE CHLORIDE	1 UG/L		UNV							1 UG/L		UNV			
STYRENE	1 UG/L		UNV							1 UG/L		UNV			
TETRACHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
TOLUENE	1 UG/L		UNV							1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV							1 UG/L		UNV			
TRICHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
VINYL ACETATE	2 UG/L		UNV							2 UG/L		UNV			
VINYL CHLORIDE	1 UG/L		UNV							1 UG/L		UNV			
XYLENES, TOTAL	1 UG/L		UNV							1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003005	003005	003434	003434	004213
TASK:	9.8	9.8	3.2.4	3.2.4	3.2.4
LAB:	WMCO	WMCO	IT	IT	IT
WELL OR BORING NUMBER:	2016	2016	2016	2016	2016
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-DEC-87	01-DEC-87	03-AUG-88	03-AUG-88	04-MAR-90
NORTH COORDINATE:	477615.38	477615.38	477615.38	477615.38	477615.38
EAST COORDINATE:	1379157.77	1379157.77	1379157.77	1379157.77	1379157.77
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		UJ			
CHEMICAL OXYGEN DEMAND				10 MG/L		UNV									
CHLORIDE				24 MG/L		NV				23 MG/L		J			
FLUORIDE				.16 MG/L		UNV				.77 MG/L		J			
HEXAVALENT CHROMIUM				.005 MG/L		UNV									
NITRATE				.98 MG/L		UNV				5.3 MG/L		J			
PHENOLS				.005 MG/L		UNV				.05 MG/L		U			
PHOSPHORUS				.39 MG/L		UNV				.03 MG/L		J			
SULFATE				64 MG/L		UNV				56 MG/L		J			
TOTAL DISSOLVED SOLIDS	336 MG/L		NV												
TOTAL ORGANIC CARBON				1 MG/L		NV									
TOTAL ORGANIC HALIDES				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										.1 MG/L		UJ			
HERBICIDES															
2,4,5-TP (SILVEX)				500 UG/L		UNV									
2,4-D				1000 UG/L		UNV									
INORGANICS															
ALUMINUM													.279 MG/L		-
ARSENIC	.0025 MG/L		UNV				.01 MG/L		U				.002 MG/L		U
BARIUM	.2 MG/L		UNV				.2 MG/L		U				.044 MG/L		-
CADMIUM	.001 MG/L		UNV				.005 MG/L		U				.003 MG/L		-
CALCIUM	89.9 MG/L		NV				92 MG/L		J				88.2 MG/L		-
CHROMIUM	.005 MG/L		UNV				.01 MG/L		U				.127 MG/L		-

SAMPLE NUMBER:	003005			003005			003434			003434			004213		
LAB:	WMCO			WMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER	.026 MG/L		NV				.03 MG/L		U				.023 MG/L		-
CYANIDE				.005 MG/L		UNV									
IRON	.2 MG/L		NV				.1 MG/L		U				.143 MG/L		-
LEAD	.005 MG/L		UNV				.005 MG/L		U				.002 MG/L		-
MAGNESIUM	23.7 MG/L		NV				24 MG/L		J				23.4 MG/L		-
MANGANESE	.025 MG/L		NV				.02 MG/L		U				.014 MG/L		-
MERCURY	.0003 MG/L		UNV				.0002 MG/L		U				.002 MG/L		U
MOLYBDENUM							.05 MG/L		U				.1 MG/L		U
NICKEL	.005 MG/L		UNV				.04 MG/L		U				.02 MG/L		U
POTASSIUM	2.75 MG/L		NV				5 MG/L		UJ				2.36 MG/L		-
SELENIUM	.0025 MG/L		UNV				.005 MG/L		U				.002 MG/L		UJ
SILICON													3.14 MG/L		J
SILVER	.03 MG/L		UNV				.01 MG/L		U				.01 MG/L		U
SODIUM	15 MG/L		NV				12 MG/L		J				11.7 MG/L		-
VANADIUM													.015 MG/L		-
ZINC	.02 MG/L		UNV												
MISC															
ALACHLOR				2000 UG/L		UNV									
ATRAZINE				1000 UG/L		UNV									
CARBOFURAN				1000000 NG/L		UNV									
CYANAZINE				1000 UG/L		UNV									
FONOFOS				1000 UG/L		UNV									
LINURON				1000 UG/L		UNV									
METOLACHLOR				1000 UG/L		UNV									
METRIBUZIN				1000 UG/L		UNV									
ORGANOPHOSPHORUS PESTICIDES															
PHOSPHORODITHIOIC ACID, O,O-DIETHYL-S-(((1,1-DIMETHYL				1000 UG/L		UNV									
PESTICIDES															
ENDRIN				200 UG/L		UNV									
GAMMA-BHC (LINDANE)				200 UG/L		UNV									
METHOXYCHLOR				200 UG/L		UNV									
TOXAPHENE				500 UG/L		UNV									

RADIONUCLIDES

URANIUM-238
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	003005			003005			003434			003434			004213		
LAB:	WMCO			WMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL										18 UG/L	3	-			
URANIUM-234										5.3 PCI/L	.8	J			
THORIUM-230										1 PCI/L		UJ			
RADIUM-226										1 PCI/L		U			
URANIUM-235/236										1 PCI/L		UJ			
THORIUM-232										1 PCI/L		UJ			
THORIUM, TOTAL										2 UG/L		UJ			
RADIUM-228										3 PCI/L		UJ			
THORIUM-228										1 PCI/L		UJ			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		UJ			
PLUTONIUM-238										1 PCI/L		UJ			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004213			003685			003685			003551			003883		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2016			2016			2016			2016			2016		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-MAR-90			04-NOV-88			04-NOV-88			07-FEB-89			07-FEB-89		
NORTH COORDINATE:	477615.38			477615.38			477615.38			477615.38			477615.38		
EAST COORDINATE:	1379157.77			1379157.77			1379157.77			1379157.77			1379157.77		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U				.1 MG/L		U						
CHLORIDE	12 MG/L		-				21.5 MG/L		-						
FLUORIDE	.2 MG/L		-				.16 MG/L		J						
NITRATE	2.52 MG/L		J				2.44 MG/L		J						
PHENOLS	.01 MG/L		U				.01 MG/L		U						
PHOSPHORUS	.06 MG/L		-				.034 MG/L		-						
SULFATE	58.5 MG/L		J				146 MG/L		-						
SULFIDE	.5 MG/L		R												
TOTAL KJELDAHL NITROGEN	.1 MG/L		U				.6 MG/L		J						
TOTAL ORGANIC CARBON	1.65 MG/L		-												
TOTAL ORGANIC HALIDES	.01 MG/L		U				.05 MG/L		U						
TOTAL ORGANIC NITROGEN	.1 MG/L		U				.6 MG/L		-						
INORGANICS															
ARSENIC				.002 MG/L		U							.002 MG/L		U
BARIUM				.03 MG/L		-							.046 MG/L		-
CADMIUM				.002 MG/L		U							.005 MG/L		-
CALCIUM				82.7 MG/L		-							96.3 MG/L		-
CHROMIUM				.02 MG/L		U							.026 MG/L		-
COPPER				.015 MG/L		-							.011 MG/L		-
IRON				.02 MG/L		-							.085 MG/L		-
LEAD				.004 MG/L		UJ							.002 MG/L		-
MAGNESIUM				20.5 MG/L		-							25.9 MG/L		-
MANGANESE				.002 MG/L		-							.006 MG/L		-
MERCURY				.0002 MG/L		U							.0005 MG/L		J
MOLYBDENUM				.02 MG/L		U							.02 MG/L		U

SAMPLE NUMBER:	004213			003685			003685			003551			003883		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.02 MG/L		U							.02 MG/L		U
POTASSIUM				2.62 MG/L		J							2.49 MG/L		-
SELENIUM				.002 MG/L		UJ							.002 MG/L		U
SILVER				.01 MG/L		U							.0005 MG/L		U
SODIUM				12.2 MG/L		-							10.8 MG/L		-
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL										2.5 UG/L		U			
DEMETON										.25 UG/L		U			
DIAZINON										.25 UG/L		U			
DISULFOTON										.25 UG/L		U			
ETHION										.25 UG/L		U			
MALATHION										.25 UG/L		U			
METHYL PARATHION										.25 UG/L		U			
PARATHION										.25 UG/L		U			
RADIONUCLIDES															
URANIUM-238	5.03 PCI/L	.77	-				5.6 PCI/L	.9	J						
URANIUM, TOTAL	29.4 UG/L	4	J				17 UG/L	3	-						
URANIUM-234	4.28 PCI/L	.68	-				4.6 PCI/L	.7	-						
THORIUM-230	1 PCI/L		U				1 PCI/L		U						
RADIUM-226	1 PCI/L		UNV				1 PCI/L		U						
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U						
THORIUM-232	1 PCI/L		U				1 PCI/L		U						
THORIUM, TOTAL	1.94 UG/L		U				2 UG/L		U						
RADIUM-228	3 PCI/L		U				3 PCI/L		U						
THORIUM-228	1 PCI/L		U				1 PCI/L		U						
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		UJ						
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		UJ						
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U						
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R						
CESIUM-137	20 PCI/L		R				20 PCI/L		R						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003883			EMGW_SYSGEN_431			EMGW_SYSGEN_431			EMGW_SYSGEN_432			EMGW_SYSGEN_432		
TASK:	3.2.4			GWMON			GWMON			GWMON			GWMON		
LAB:	IT			IT			NET			IT			NET		
WELL OR BORING NUMBER:	2016			2016			2016			2016			2016		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-FEB-89			11-JUN-90			11-JUN-90			11-SEP-90			11-SEP-90		
NORTH COORDINATE:	477615.38			477615.38			477615.38			477615.38			477615.38		
EAST COORDINATE:	1379157.77			1379157.77			1379157.77			1379157.77			1379157.77		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													205 MG/L		NV
AMMONIA	.1 MG/L		U												
CHLORIDE	16.5 MG/L		-				23 MG/L		NV				21 MG/L		NV
FLUORIDE	.21 MG/L		J										.2 MG/L		NV
NITRATE	2.24 MG/L		J				2.04 MG/L		NV				2.2 MG/L		NV
NITRATE, AS NITROGEN							2.04 MG/L		NV				2.2 MG/L		NV
PH	.01 MG/L		R										7.21 SU		NV
PHENOLS	.01 MG/L		R										.005 MG/L		UNV
PHOSPHORUS	.08 MG/L		-												
SPECIFIC CONDUCTIVITY													504 UMHOS/CM		NV
SULFATE	51.2 MG/L		J				44 MG/L		NV				60 MG/L		NV
TOTAL DISSOLVED SOLIDS													410 MG/L		NV
TOTAL KJELDAHL NITROGEN	.181 MG/L		J												
TOTAL ORGANIC CARBON							14 MG/L		NV				1 MG/L		NV
TOTAL ORGANIC HALIDES	.05 MG/L		U												
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV				.01 MG/L		UNV
TOTAL ORGANIC NITROGEN	.181 MG/L		J												
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	8 PCI/L	1.1	-	4.68 PCI/L		NV				5.15 PCI/L		NV			
URANIUM, TOTAL	22 UG/L	4	J	14 UG/L		NV				15.5 UG/L		NV			
URANIUM-234	6.6 PCI/L	.9	-	4.27 PCI/L		NV				4.4 PCI/L		NV			

000257

6417

SAMPLE NUMBER:	003883			EMGW_SYSGEN_431			EMGW_SYSGEN_431			EMGW_SYSGEN_432			EMGW_SYSGEN_432		
LAB:	IT			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230	1 PCI/L		U	2.81 PCI/L		NV				.333 PCI/L		NV			
RADIUM-226	1 PCI/L		U	1 PCI/L		UNV				1 PCI/L		UNV			
URANIUM-235/236	1 PCI/L		U	.259 PCI/L		NV				.431 PCI/L		NV			
THORIUM-232	1 PCI/L		U	.471 PCI/L		NV				.22 PCI/L		UNV			
THORIUM, TOTAL	3 UG/L		U	4.25 UG/L		NV				2 UG/L		UNV			
RADIUM-228	3.2 PCI/L		UJ	3 PCI/L		UNV				3 PCI/L		UNV			
THORIUM-228	1 PCI/L		U	1.26 PCI/L		NV				.22 PCI/L		UNV			
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		U												
PLUTONIUM-238	1 PCI/L		U												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA				18.5 PCI/L		NV				9.9 PCI/L		UNV			
GROSS BETA				15.3 PCI/L		NV				12.3 PCI/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													60 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROPROPANE							1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE							2 UG/L		UNV				2 UG/L		UNV
2-HEXANONE							2 UG/L		UNV				2 UG/L		UNV
4-METHYL-2-PENTANONE							2 UG/L		UNV				2 UG/L		UNV
ACETONE							2 UG/L		UNV				2 UG/L		UNV
BENZENE							1 UG/L		UNV				1 UG/L		UNV
BROMODICHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
BROMOFORM							1 UG/L		UNV				1 UG/L		UNV
BROMOMETHANE							1 UG/L		UNV				1 UG/L		UNV
CARBON DISULFIDE							1 UG/L		UNV				1 UG/L		UNV
CARBON TETRACHLORIDE							1 UG/L		UNV				1 UG/L		UNV
CHLOROBENZENE							1 UG/L		UNV				1 UG/L		UNV

SAMPLE NUMBER:	003883			EMGW_SYSGEN_431			EMGW_SYSGEN_431			EMGW_SYSGEN_432			EMGW_SYSGEN_432		
LAB:	IT			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM							1 UG/L		UNV				1 UG/L		UNV
CHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
DIBROMOCHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
ETHYLBENZENE							1 UG/L		UNV				1 UG/L		UNV
METHYLENE CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
STYRENE							1 UG/L		UNV				1 UG/L		UNV
TETRACHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
TOLUENE							1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
TRICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE							2 UG/L		UNV				2 UG/L		UNV
VINYL CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
XYLENES, TOTAL							1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_434	EMGW_SYSGEN_434	004152	004152	003063
TASK:	GWMON	GWMON	3.2.4	3.2.4	3.2.4
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	2016	2016	2016	2016	2016
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-MAR-91	19-MAR-91	26-JUL-89	26-JUL-89	28-MAR-88
NORTH COORDINATE:	477615.38	477615.38	477615.38	477615.38	477615.38
EAST COORDINATE:	1379157.77	1379157.77	1379157.77	1379157.77	1379157.77
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				251 MG/L		NV									
AMMONIA				.02 MG/L		UNV				.1 MG/L		U			
CHLORIDE				19 MG/L		NV				21.2 MG/L		-			
FLUORIDE				.2 MG/L		NV				.22 MG/L		-			
NITRATE				2.32 MG/L		NV				2.65 MG/L		J	5 MG/L		UNV
NITRATE, AS NITROGEN				2.32 MG/L		NV									
NITRATE/NITRITE													5 MG/L		UNV
PH				7.47 SU		NV				.01 MG/L		U	.01 MG/L		UNV
PHENOLS				.005 MG/L		UNV				.01 MG/L		U	.01 MG/L		UNV
PHOSPHORUS				.12 MG/L		NV				.211 MG/L		-			
SPECIFIC CONDUCTIVITY				583 UMHOS/CM		NV									
SULFATE				61 MG/L		NV				51.7 MG/L		-			
SULFIDE										.5 MG/L		UJ			
TOTAL DISSOLVED SOLIDS				320 MG/L		NV									
TOTAL KJELDAHL NITROGEN										.459 MG/L		U			
TOTAL ORGANIC CARBON				4 MG/L		NV				3.71 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		UJ			
TOTAL ORGANIC HALOGENS				.026 MG/L		NV									
TOTAL ORGANIC NITROGEN										.623 MG/L		-			
INORGANICS															
ALUMINUM				.5 MG/L		UNV	.374 MG/L		-				.04 MG/L		-
ANTIMONY				.025 MG/L		UNV							.03 MG/L		-
ARSENIC				.0025 MG/L		UNV	.002 MG/L		UJ				.002 MG/L		U
BARIUM				.2 MG/L		UNV	.041 MG/L		-				.045 MG/L		-
BERYLLIUM				.01 MG/L		UNV							.001 MG/L		-

SAMPLE NUMBER:	EMGW_SYSGEN_434			EMGW_SYSGEN_434			004152			004152			003063		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM				.001 MG/L		UNV	.003 MG/L		-				.005 MG/L		-
CALCIUM				64.1 MG/L		NV	86.6 MG/L		-				92.7 MG/L		UJ
CHROMIUM				.005 MG/L		UNV	.031 MG/L		-				.01 MG/L		-
COBALT				.025 MG/L		UNV							.02 MG/L		-
COPPER				.031 MG/L		NV	.011 MG/L		-				.01 MG/L		-
CYANIDE				.005 MG/L		UNV							.01 MG/L		U
IRON				.148 MG/L		NV	.192 MG/L		-				.156 MG/L		-
LEAD				.007 MG/L		NV	.003 MG/L		-				.002 MG/L		-
MAGNESIUM				21.3 MG/L		NV	22 MG/L		-				21.2 MG/L		-
MANGANESE				.02 MG/L		UNV	.012 MG/L		-				.039 MG/L		-
MERCURY				.0002 MG/L		UNV	.0002 MG/L		-				.0002 MG/L		-
MOLYBDENUM				.025 MG/L		UNV	.01 MG/L		U						
NICKEL				.005 MG/L		UNV	.02 MG/L		U				.02 MG/L		-
POTASSIUM				3.8 MG/L		NV	2.28 MG/L		-				2.66 MG/L		U
SELENIUM				.0025 MG/L		UNV	.002 MG/L		U				.002 MG/L		-
SILICON							3.55 MG/L		-						
SILVER				.001 MG/L		UNV	.01 MG/L		U				.005 MG/L		-
SODIUM				13.6 MG/L		NV	11.2 MG/L		-				14.4 MG/L		-
THALLIUM				.01 MG/L		UNV							.004 MG/L		U
VANADIUM				.05 MG/L		UNV	.013 MG/L		-				.01 MG/L		-
ZINC				.027 MG/L		NV							.034 MG/L		-
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	4.87 PCI/L		NV							5.8 PCI/L	.9	-			
URANIUM, TOTAL	14 UG/L		NV							17 UG/L	3	-			
URANIUM-234	5.01 PCI/L		NV							5.1 PCI/L	.8	-			
THORIUM-230	.2 PCI/L		UNV							1 PCI/L		UJ			
RADIUM-226	1 PCI/L		UNV							1 PCI/L		UJ			
URANIUM-235/236	.445 PCI/L		NV							1 PCI/L		U			
THORIUM-232	.2 PCI/L		UNV							1 PCI/L		UJ			
THORIUM, TOTAL	1.6 UG/L		UNV							2 UG/L		UJ			
RADIUM-228	3 PCI/L		UNV							3 PCI/L		U			
THORIUM-228	2 PCI/L		NV							1 PCI/L		UJ			
NEPTUNIUM-237	.5 PCI/L		UNV							1 PCI/L		U			
PLUTONIUM-239/240	.5 PCI/L		UNV							1 PCI/L		U			
PLUTONIUM-238	.5 PCI/L		UNV							1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_434			EMGW_SYSGEN_434			004152			004152			003063		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
TECHNETIUM-99	18 PCI/L		UNV							30 PCI/L		U			
RUTHENIUM-106	150 PCI/L		UNV							150 PCI/L		UJ			
CESIUM-137	5.6 PCI/L		UNV							20 PCI/L		UJ			
GROSS ALPHA	10.8 PCI/L		NV												
GROSS BETA	8.06 PCI/L		NV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_434			EMGW_SYSGEN_434			004152			004152			003063		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003063	EMGW_SYSGEN_433	EMGW_SYSGEN_433	111996	GW930430-2
TASK:	3.2.4	GWMON	GWMON	20.03.05	50.03.23
LAB:	IT	IT	NET	IT	CORE
WELL OR BORING NUMBER:	2016	2016	2016	2016	2016
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-MAR-88	29-NOV-90	29-NOV-90	30-APR-93	30-APR-93
NORTH COORDINATE:	477615.38	477615.38	477615.38	477615.38	477615.38
EAST COORDINATE:	1379157.77	1379157.77	1379157.77	1379157.77	1379157.77
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							212 MG/L		NV	245 MG/L		-			
AMMONIA							.02 MG/L		UNV	.1 MG/L		U			
CHLORIDE							13 MG/L		NV	28.35 MG/L		-			
FLUORIDE							.21 MG/L		NV	.2 MG/L		-			
NITRATE							2.54 MG/L		NV	2.32 MG/L		R			
NITRATE/NITRITE							2.54 MG/L		NV						
PH	10 UG/L		U				6.98 SU		NV	10 UG/L		U			
PHENOLS							.005 MG/L		UNV	.01 MG/L		U			
PHOSPHORUS							.12 MG/L		NV	.06 MG/L		-			
SPECIFIC CONDUCTIVITY							520 UMHOS/CM		NV						
SULFATE							49 MG/L		NV	84.1 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL DISSOLVED SOLIDS							344 MG/L		NV						
TOTAL KJELDAHL NITROGEN										.12 MG/L		-			
TOTAL ORGANIC CARBON							2 MG/L		NV	1.12 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN										.12 MG/L		-			
INORGANICS															
ALUMINUM										.366 MG/L		-			
ANTIMONY										.0014 MG/L		UJ			
ARSENIC										.001 MG/L		U			
BARIUM										.0481 MG/L		J			
BERYLLIUM										.0019 MG/L		U			
CADMIUM										.002 MG/L		U			

SAMPLE NUMBER:	003063			EMGW_SYSGEN_433			EMGW_SYSGEN_433			111996			GW930430-2		
LAB:	IT			IT			NET			IT			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM										90.4 MG/L		-			
CHROMIUM										.004 MG/L		U			
COBALT										.003 MG/L		U			
COPPER										.0069 MG/L		U			
CYANIDE							.005 MG/L		UNV	.001 MG/L		U			
IRON										.865 MG/L		-			
LEAD										.0013 MG/L		-			
MAGNESIUM										23.6 MG/L		-			
MANGANESE										.0262 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.003 MG/L		U			
NICKEL										.003 MG/L		U			
POTASSIUM										2.61 MG/L		-			
SELENIUM										.001 MG/L		U			
SILICON										3.45 MG/L		-			
SILVER										.002 MG/L		U			
SODIUM										12.1 MG/L		-			
THALLIUM										.001 MG/L		U			
VANADIUM										.0072 MG/L		U			
ZINC										.0139 MG/L		U			
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
PESTICIDES															
4,4'-DDD	.1 UG/L		U							.1 UG/L		U			
4,4'-DDE	.1 UG/L		U							.1 UG/L		U			
4,4'-DDT	.1 UG/L		U							.1 UG/L		U			
ALDRIN	.05 UG/L		U							.05 UG/L		U			
ALPHA-BHC	.05 UG/L		U							.05 UG/L		UJ			
ALPHA-CHLORDANE	.5 UG/L		U							.05 UG/L		U			
AROCLOR-1016	.5 UG/L		U							1 UG/L		U			
AROCLOR-1221	.5 UG/L		U							2 UG/L		U			
AROCLOR-1232	.5 UG/L		U							1 UG/L		U			
AROCLOR-1242	.5 UG/L		U							1 UG/L		U			
AROCLOR-1248	.5 UG/L		U							1 UG/L		U			
AROCLOR-1254	1 UG/L		U							1 UG/L		U			
AROCLOR-1260	1 UG/L		U							1 UG/L		U			
BETA-BHC	.05 UG/L		U							.05 UG/L		U			
DELTA-BHC	.05 UG/L		U							.05 UG/L		UJ			

SAMPLE NUMBER:	003063			EMGW_SYSGEN_433			EMGW_SYSGEN_433			111996			GW930430-2		
LAB:	IT			IT			NET			IT			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
DIELDRIN	.1 UG/L		U							.1 UG/L		U			
ENDOSULFAN II	.1 UG/L		U							.1 UG/L		U			
ENDOSULFAN SULFATE	.1 UG/L		U							.1 UG/L		U			
ENDOSULFAN-I	.05 UG/L		U							.05 UG/L		U			
ENDRIN	.1 UG/L		U							.1 UG/L		U			
ENDRIN ALDEHYDE										.1 UG/L		U			
ENDRIN KETONE	.1 UG/L		U							.1 UG/L		U			
GAMMA-BHC (LINDANE)	.05 UG/L		U							.05 UG/L		UJ			
GAMMA-CHLORDANE	.5 UG/L		U							.05 UG/L		U			
HEPTACHLOR	.05 UG/L		U							.05 UG/L		U			
HEPTACHLOR EPOXIDE	.05 UG/L		U							.05 UG/L		U			
METHOXYCHLOR	.5 UG/L		U							.5 UG/L		U			
TOXAPHENE	1 UG/L		U							5 UG/L		U			
RADIONUCLIDES															
URANIUM-238	6.2 PCI/L	1.3	J	4.52 PCI/L		NV				6.5 PCI/L	1.49	-	5.1 PCI/L	.9	J
URANIUM, TOTAL	21 UG/L	3	R	10.1 UG/L		NV				17.1 UG/L	2.5	-	18.4 UG/L	1.3	-
URANIUM-234	7.7 PCI/L	1.5	J	4.52 PCI/L		NV				6.02 PCI/L	1.39	-	4.7 PCI/L	.8	J
THORIUM-230	1 PCI/L		UJ	.2 PCI/L		UNV				.8 PCI/L	.3	J	.2 PCI/L	.3	UJ
RADIUM-226	1 PCI/L		R	1 PCI/L		UNV				1 PCI/L		UJ	1 PCI/L	.4	UJ
URANIUM-235/236	1 PCI/L		UJ	.758 PCI/L		NV				.46 PCI/L	.21	J	.2 PCI/L	.2	UJ
THORIUM-232	1 PCI/L		UJ	.2 PCI/L		UNV				.2 PCI/L	.114	UJ	.2 PCI/L	.2	U
THORIUM, TOTAL				1.7 UG/L		UNV				1.27 UG/L	1.05	J	.912 PCI/L	.2	NV
RADIUM-228	3 PCI/L		UJ	3 PCI/L		UNV				3 PCI/L		UJ	3 PCI/L	1	UJ
THORIUM-228	1 PCI/L		UJ	.2 PCI/L		UNV				.2 PCI/L		UJ	.2 PCI/L	.2	UJ
NEPTUNIUM-237	1 PCI/L		R							.71 PCI/L	.293	N			
PLUTONIUM-239/240	1 PCI/L		UJ							.5 PCI/L	.077	U			
PLUTONIUM-238	1 PCI/L		UJ							.5 PCI/L	.128	UJ			
STRONTIUM-90	5 PCI/L		R							1 PCI/L		UJ			
TECHNETIUM-99	30 PCI/L		UJ							15 PCI/L		UJ			
RUTHENIUM-106	150 PCI/L		R							150 PCI/L		UJ			
CESIUM-137	20 PCI/L		R							13.4 PCI/L		UJ			
GROSS ALPHA				4.37 PCI/L		NV				6.99 PCI/L	4.72	J	5.3 PCI/L	2.2	NV
GROSS BETA				6.87 PCI/L		NV				9.34 PCI/L	3.11	J	9.5 PCI/L	2.1	NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U							10 UG/L		U			
1,2-DICHLOROBENZENE	10 UG/L		U							10 UG/L		U			
1,3-DICHLOROBENZENE	10 UG/L		U							10 UG/L		U			
1,4-DICHLOROBENZENE	10 UG/L		U							10 UG/L		U			

SAMPLE NUMBER:	003063			EMGW_SYSGEN_433			EMGW_SYSGEN_433			111996			GW930430-2		
LAB:	IT			IT			NET			IT			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL	50 UG/L		U							25 UG/L		U			
2,4,6-TRICHLOROPHENOL	10 UG/L		U							10 UG/L		U			
2,4-DICHLOROPHENOL	10 UG/L		U							10 UG/L		U			
2,4-DIMETHYLPHENOL	10 UG/L		U							10 UG/L		U			
2,4-DINITROPHENOL	50 UG/L		U							25 UG/L		UR			
2,4-DINITROTOLUENE	10 UG/L		U							10 UG/L		U			
2,6-DINITROTOLUENE	10 UG/L		U							10 UG/L		U			
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
2-CHLORONAPHTHALENE	10 UG/L		U							10 UG/L		U			
2-CHLOROPHENOL	10 UG/L		U							10 UG/L		U			
2-METHYLNAPHTHALENE	10 UG/L		U							10 UG/L		U			
2-METHYLPHENOL	10 UG/L		U							10 UG/L		U			
2-NITROANILINE	50 UG/L		U							25 UG/L		U			
2-NITROPHENOL	10 UG/L		U							10 UG/L		U			
3,3'-DICHLOROBENZIDINE	20 UG/L		U							10 UG/L		U			
3-NITROANILINE	50 UG/L		U							25 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		U							25 UG/L		UR			
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U							10 UG/L		U			
4-CHLORO-3-METHYLPHENOL	10 UG/L		U							10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U							10 UG/L		U			
4-METHYLPHENOL	10 UG/L		U							10 UG/L		U			
4-NITROANILINE	50 UG/L		U							25 UG/L		U			
4-NITROPHENOL	50 UG/L		U							25 UG/L		UR			
ACENAPHTHENE	10 UG/L		U							10 UG/L		U			
ACENAPHTHYLENE	10 UG/L		U							10 UG/L		U			
ANTHRACENE	10 UG/L		U							10 UG/L		U			
BENZO(A)ANTHRACENE	10 UG/L		U							10 UG/L		U			
BENZO(A)PYRENE	10 UG/L		U							10 UG/L		U			
BENZO(B)FLUORANTHENE	10 UG/L		U							10 UG/L		U			
BENZO(G,H,I)PERYLENE	10 UG/L		U							10 UG/L		U			
BENZO(K)FLUORANTHENE	10 UG/L		U							10 UG/L		U			
BENZOIC ACID	50 UG/L		U							50 UG/L		UR			
BENZYL ALCOHOL	10 UG/L		U							10 UG/L		UJ			
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U							10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U							10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U							10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE	4 UG/L		U							10 UG/L		UJ			
BUTYL BENZYL PHTHALATE	10 UG/L		U							10 UG/L		UJ			
CARBAZOLE										10 UG/L		U			
CHRYSENE	10 UG/L		U							10 UG/L		U			
DI-N-BUTYL PHTHALATE	10 UG/L		U							10 UG/L		U			

SAMPLE NUMBER:	003063			EMGW_SYSGEN_433			EMGW_SYSGEN_433			111996			GW930430-2		
LAB:	IT			IT			NET			IT			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DI-N-OCTYL PHTHALATE	10 UG/L		U							10 UG/L		UR			
DIBENZO(A,H)ANTHRACENE	10 UG/L		U							10 UG/L		UJ			
DIBENZOFURAN	10 UG/L		U							10 UG/L		U			
DIETHYL PHTHALATE	10 UG/L		U							10 UG/L		U			
DIMETHYL PHTHALATE	10 UG/L		U							10 UG/L		U			
FLUORANTHENE	10 UG/L		U							10 UG/L		U			
FLUORENE	10 UG/L		U							10 UG/L		U			
HEXACHLOROBENZENE	10 UG/L		U							10 UG/L		UJ			
HEXACHLOROBUTADIENE	10 UG/L		U							10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U							10 UG/L		UJ			
HEXACHLOROETHANE	10 UG/L		U							10 UG/L		U			
INDENO(1,2,3-CD)PYRENE	10 UG/L		U							10 UG/L		UJ			
ISOPHORONE	10 UG/L		U							10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U							10 UG/L		U			
N-NITROSODIPHENYLAMINE	10 UG/L		U							10 UG/L		U			
NAPHTHALENE	10 UG/L		U							10 UG/L		U			
NITROBENZENE	10 UG/L		U							10 UG/L		U			
P-CHLOROANILINE	10 UG/L		U							10 UG/L		U			
PENTACHLOROPHENOL	50 UG/L		U							25 UG/L		UJ			
PHENANTHRENE	10 UG/L		U							10 UG/L		U			
PHENOL	10 UG/L		U				.005 MG/L		UNV	10 UG/L		U			
PYRENE	10 UG/L		U							10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
1,1,2-TRICHLOROETHANE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
1,1-DICHLOROETHANE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
1,1-DICHLOROETHENE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
1,2-DICHLOROETHANE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
1,2-DICHLOROPROPANE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
2-BUTANONE	10 UG/L		U				2 UG/L		UNV	10 UG/L		U			
2-HEXANONE	10 UG/L		U				2 UG/L		UNV	10 UG/L		UJ			
4-METHYL-2-PENTANONE	10 UG/L		U				2 UG/L		UNV	10 UG/L		U			
ACETONE	10 UG/L		U				2 UG/L		UNV	10 UG/L		U			
BENZENE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
BROMODICHLOROMETHANE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
BROMOFORM	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
BROMOMETHANE	10 UG/L		U				1 UG/L		UNV	10 UG/L		U			
CARBON DISULFIDE	5 UG/L		U				1 UG/L		UNV	10 UG/L		UJ			

SAMPLE NUMBER:	003063			EMGW_SYSGEN_433			EMGW_SYSGEN_433			111996			GW930430-2		
LAB:	IT			IT			NET			IT			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
CHLOROBENZENE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
CHLOROETHANE	10 UG/L		U				1 UG/L		UNV	10 UG/L		UJ			
CHLOROFORM	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
CHLOROMETHANE	10 UG/L		U				1 UG/L		UNV	10 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
DIBROMOCHLOROMETHANE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
ETHYLBENZENE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
METHYLENE CHLORIDE	5 UG/L		U				1 UG/L		UNV	12 UG/L		UJ			
STYRENE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
TETRACHLOROETHENE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
TOLUENE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
TRICHLOROETHENE	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			
VINYL ACETATE	10 UG/L		U				2 UG/L		UNV	10 UG/L		U			
VINYL CHLORIDE	10 UG/L		U				1 UG/L		UNV	10 UG/L		U			
XYLENES, TOTAL	5 UG/L		U				1 UG/L		UNV	10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930430-2	GW930430-2	003037	003037	EMGW_SYSGEN_437
TASK:	50.03.23	50.03.23	9.8	9.8	GWMON
LAB:	DATACHEM	FERMCO	WMCO	WMCO	IT
WELL OR BORING NUMBER:	2016	2016	2017	2017	2017
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-APR-93	30-APR-93	04-DEC-87	04-DEC-87	05-DEC-90
NORTH COORDINATE:	477615.38	477615.38	476259.2	476259.2	476259.2
EAST COORDINATE:	1379157.77	1379157.77	1379157.09	1379157.09	1379157.09
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHEMICAL OXYGEN DEMAND										10 MG/L		UNV			
CHLORIDE										33 MG/L		NV			
FLUORIDE										.13 MG/L		NV			
HEXAVALENT CHROMIUM										.005 MG/L		UNV			
NITRATE										.02 MG/L		UNV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										.02 MG/L		UNV			
SULFATE										100 MG/L		NV			
TOTAL DISSOLVED SOLIDS							527 MG/L		NV						
TOTAL ORGANIC CARBON										3.25 MG/L		NV			
TOTAL ORGANIC HALIDES										.047 MG/L		NV			
HERBICIDES															
2,4,5-TP (SILVEX)										500 UG/L		UNV			
2,4-D										1000 UG/L		UNV			
INORGANICS															
ALUMINUM	.0251 MG/L		U												
ANTIMONY	.045 MG/L		U												
ARSENIC	.001 MG/L		U				.0025 MG/L		UNV						
BARIUM	.0425 MG/L		-				.2 MG/L		UNV						
BERYLLIUM	.001 MG/L		U												
CADMIUM	.003 MG/L		U				.001 MG/L		UNV						
CALCIUM	90.7 MG/L		-				124 MG/L		NV						
CHROMIUM	.0053 MG/L		U				.005 MG/L		UNV						

SAMPLE NUMBER:	GW930430-2			GW930430-2			003037			003037			EMGW_SYSGEN_437		
LAB:	DATACHEM			FERMCO			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT	.006 MG/L		U												
COPPER	.004 MG/L		U				.025 MG/L		UNV						
CYANIDE	.01 MG/L		U							.005 MG/L		UNV			
IRON	.0412 MG/L		U				.05 MG/L		UNV						
LEAD	.001 MG/L		UJ				.005 MG/L		UNV						
MAGNESIUM	22.3 MG/L		-				26.6 MG/L		NV						
MANGANESE	.001 MG/L		U				.122 MG/L		NV						
MERCURY	.0002 MG/L		U				.0002 MG/L		UNV						
NICKEL	.019 MG/L		U				.005 MG/L		UNV						
POTASSIUM	2.87 MG/L		U				2 MG/L		NV						
SELENIUM	.002 MG/L		U				.0025 MG/L		UNV						
SILVER	.003 MG/L		UJ				.03 MG/L		UNV						
SODIUM	12.2 MG/L		-				10.6 MG/L		NV						
THALLIUM	.001 MG/L		U												
VANADIUM	.0041 MG/L		U												
ZINC	.0104 MG/L		J				.02 MG/L		UNV						
MISC															
ALACHLOR										2000 UG/L		UNV			
ATRAZINE										1000 UG/L		UNV			
CARBOFURAN										1000000 NG/L		UNV			
CYANAZINE										1000 UG/L		UNV			
FONOFOS										1000 UG/L		UNV			
LINURON										1000 UG/L		UNV			
METOLACHLOR										1000 UG/L		UNV			
METRIBUZIN										1000 UG/L		UNV			
ORGANOPHOSPHORUS PESTICIDES															
PHOSPHORODITHIOIC ACID, O,O-DIETHYL-S-(((1,1-DIMETHYL										1000 UG/L		UNV			
PESTICIDES															
ENDRIN										200 UG/L		UNV			
GAMMA-BHC (LINDANE)										200 UG/L		UNV			
METHOXYCHLOR										200 UG/L		UNV			
TOXAPHENE										500 UG/L		UNV			

RADIONUCLIDES

URANIUM-238
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930430-2			GW930430-2			003037			003037			EMGW_SYSGEN_437		
LAB:	DATACHEM			FERMCO			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238													1.21 PCI/L		NV
URANIUM, TOTAL				19 UG/L		NV							3.86 UG/L		NV
URANIUM-234													1.12 PCI/L		NV
THORIUM-230													.2 PCI/L		UNV
RADIUM-226													1 PCI/L		UNV
URANIUM-235/236													.2 PCI/L		UNV
THORIUM-232													.2 PCI/L		UNV
THORIUM, TOTAL													1.7 UG/L		UNV
RADIUM-228													3 PCI/L		UNV
THORIUM-228													.2 PCI/L		UNV
GROSS ALPHA													6.1 PCI/L		UNV
GROSS BETA													2.9 PCI/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_437			003078			003078			067954			067954		
TASK:	GWMON			3.2.4			3.2.4			3.11			3.11		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2017			2017			2017			2017			2017		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-DEC-90			06-APR-88			06-APR-88			06-MAR-91			06-MAR-91		
NORTH COORDINATE:	476259.2			476259.2			476259.2			476259.2			476259.2		
EAST COORDINATE:	1379157.09			1379157.09			1379157.09			1379157.09			1379157.09		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	161 MG/L		NV												
AMMONIA	.03 MG/L		NV				.1 MG/L		UNV				.1 MG/L		U
CHLORIDE	4 MG/L		NV				32 MG/L		NV				4.76 MG/L		-
FLUORIDE	.14 MG/L		NV				.9 MG/L		NV				.17 MG/L		-
NITRATE	.13 MG/L		NV				5 MG/L		UNV				.84 MG/L		J
NITRATE/NITRITE	.13 MG/L		NV												
PH	7.03 SU		NV				.01 MG/L		UNV				.04 MG/L		-
PHENOLS	.005 MG/L		UNV				.01 MG/L		UNV				.04 MG/L		-
PHOSPHATE							.01 MG/L		NV						
PHOSPHORUS	.07 MG/L		NV										.04 MG/L		-
SPECIFIC CONDUCTIVITY	513 UMHOS/CM		NV												
SULFATE	28 MG/L		NV				120 MG/L		NV				36.7 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL DISSOLVED SOLIDS	392 MG/L		NV												
TOTAL ORGANIC CARBON	7 MG/L		NV										1.8 MG/L		-
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.2 MG/L		NV				.1 MG/L		U
INORGANICS															
ALUMINUM										.089 MG/L		U			
ARSENIC				.03 MG/L		UNV				.002 MG/L		U			
BARIUM				.031 MG/L		NV				.031 MG/L		-			
CADMIUM				.005 MG/L		UNV				.006 MG/L		-			
CALCIUM				140 MG/L		NV				116 MG/L		-			
CHROMIUM				.01 MG/L		UNV				.024 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_437			003078			003078			067954			067954		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER				.01 MG/L		UNV				.019 MG/L		U			
CYANIDE	.005 MG/L		UNV												
IRON				.021 MG/L		NV				.041 MG/L		-			
LEAD				.03 MG/L		UNV				.002 MG/L		-			
MAGNESIUM				29.7 MG/L		NV				25.2 MG/L		-			
MANGANESE				.086 MG/L		NV				.01 MG/L		-			
MERCURY				.001 MG/L		UNV				.0002 MG/L		U			
MOLYBDENUM				.01 MG/L		UNV				.01 MG/L		U			
NICKEL				.02 MG/L		UNV				.02 MG/L		U			
POTASSIUM				2 MG/L		NV				1.47 MG/L		-			
SELENIUM				.001 MG/L		UNV				.002 MG/L		U			
SILICON										5.16 MG/L		-			
SILVER				.005 MG/L		UNV				.026 MG/L		-			
SODIUM				9.8 MG/L		NV				4.24 MG/L		-			
VANADIUM										.012 MG/L		-			
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1.1 PCI/L	.5	J	1.84 PCI/L	.36	J			
URANIUM, TOTAL							3 UG/L	1	J	5.94 UG/L	.62	-			
URANIUM-234							2 PCI/L	.7	J	2.49 PCI/L	.44	J			
THORIUM-230							1 PCI/L		UJ	1 PCI/L		UJ			
RADIUM-226							1 PCI/L		R						
URANIUM-235/236							1 PCI/L		UJ	1 PCI/L		UJ			
THORIUM-232							1 PCI/L		UJ	1 PCI/L		UJ			
THORIUM, TOTAL										3.2 UG/L		UJ			
RADIUM-228							3 PCI/L		R						
THORIUM-228							1 PCI/L		UJ	1.04 PCI/L	.4	J			
NEPTUNIUM-237							1 PCI/L		UJ	1 PCI/L		U			
PLUTONIUM-239/240							1 PCI/L		UJ	1 PCI/L		U			
PLUTONIUM-238							1 PCI/L		UJ	1 PCI/L		U			
STRONTIUM-90							5 PCI/L		UJ	5 PCI/L		UJ			
TECHNETIUM-99							30 PCI/L		UJ	30 PCI/L		UJ			
RUTHENIUM-106							150 PCI/L		R	150 PCI/L		UJ			
CESIUM-137							20 PCI/L		R	20 PCI/L		UJ			
SEMIVOLATILES															

2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
SAMPLE NUMBER:	EMGW_SYSGEN_437			003078			003078			067954			067954		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003660	003660	068390	068391	EMGW_SYSGEN_436
TASK:	3.2.4	3.2.4	3.11	3.11	GWMON
LAB:	IT	IT	IT	WEMCO	IT
WELL OR BORING NUMBER:	2017	2017	2017	2017	2017
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-NOV-88	06-NOV-88	06-NOV-91	06-NOV-91	06-SEP-90
NORTH COORDINATE:	476259.2	476259.2	476259.2	476259.2	476259.2
EAST COORDINATE:	1379157.09	1379157.09	1379157.09	1379157.09	1379157.09
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		UJ									
CHLORIDE				30 MG/L		-									
FLUORIDE				.13 MG/L		J									
NITRATE				.162 MG/L		J									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.02 MG/L		U									
SULFATE				70.9 MG/L		-									
TOTAL KJELDAHL NITROGEN				.34 MG/L		J									
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC NITROGEN				.34 MG/L		J									
INORGANICS															
ARSENIC	.002 MG/L		UJ												
BARIUM	.03 MG/L		-												
CADMIUM	.003 MG/L		-												
CALCIUM	148 MG/L		-												
CHROMIUM	.02 MG/L		U												
COPPER	.01 MG/L		U												
IRON	.1 MG/L		-												
LEAD	.026 MG/L		R												
MAGNESIUM	30.2 MG/L		-												
MANGANESE	.2 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.02 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	1.92 MG/L		-												

SAMPLE NUMBER:	003660			003660			068390			068391			EMGW_SYSGEN_436		
LAB:	IT			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.002 MG/L		UJ												
SILVER	.01 MG/L		U												
SODIUM	8.3 MG/L		-												
RADIONUCLIDES															
URANIUM-238				1.6 PCI/L	.5	-	1.88 PCI/L	.61	J				1.45 PCI/L		NV
URANIUM, TOTAL				3 UG/L	1	J	4.28 UG/L	.46	-	4.4 UG/L		NV	4.36 UG/L		NV
URANIUM-234				1.9 PCI/L	.5	-	2.05 PCI/L	.64	J				.333 PCI/L		NV
THORIUM-230				1 PCI/L		U	1 PCI/L		U				.379 PCI/L		NV
RADIUM-226				1 PCI/L		U	1 PCI/L		U				1 PCI/L		UNV
URANIUM-235/236				1 PCI/L		U	1 PCI/L		U				.2 PCI/L		UNV
THORIUM-232				1 PCI/L		U	1 PCI/L		U				.2 PCI/L		UNV
THORIUM, TOTAL				4 UG/L		U	6.7 UG/L		U				1.8 UG/L		UNV
RADIUM-228				3 PCI/L		U	3 PCI/L		UJ				3 PCI/L		UNV
THORIUM-228				1 PCI/L		U	8.79 PCI/L	2.29	J				.495 PCI/L		NV
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U	1.93 PCI/L	.76	J						
PLUTONIUM-238				1 PCI/L		U	1 PCI/L		U						
STRONTIUM-90				5 PCI/L		U	5 PCI/L		U						
TECHNETIUM-99				30 PCI/L		U	30 PCI/L		U						
RUTHENIUM-106				150 PCI/L		R	150 PCI/L		UJ						
CESIUM-137				20 PCI/L		R	20 PCI/L		UJ						
GROSS ALPHA													5.4 PCI/L		UNV
GROSS BETA													4.08 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_436	068514	004214	004214	068561
TASK:	GWMON	3.11	3.2.4	3.2.4	3.11
LAB:	NET	IT/RSL	IT	IT	IT
WELL OR BORING NUMBER:	2017	2017	2017	2017	2017
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-SEP-90	07-JAN-92	09-APR-90	09-APR-90	10-FEB-92
NORTH COORDINATE:	476259.2	476259.2	476259.2	476259.2	476259.2
EAST COORDINATE:	1379157.09	1379157.09	1379157.09	1379157.09	1379157.09
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	334 MG/L		NV												
AMMONIA										.1 MG/L		U			
CHLORIDE	5 MG/L		NV							5.95 MG/L		-			
FLUORIDE	.15 MG/L		NV							.13 MG/L		J			
NITRATE	.44 MG/L		NV							1.1 MG/L		J			
NITRATE, AS NITROGEN	.44 MG/L		NV												
PH	7.13 SU		NV							.014 MG/L		-			
PHENOLS	.006 MG/L		NV							.014 MG/L		-			
PHOSPHORUS										.02 MG/L		U			
SPECIFIC CONDUCTIVITY	618 UMHOS/CM		NV												
SULFATE	40 MG/L		NV							94.8 MG/L		J			
SULFIDE										.5 MG/L		UJ			
TOTAL DISSOLVED SOLIDS	465 MG/L		NV												
TOTAL ORGANIC CARBON	2 MG/L		NV												
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN										.12 MG/L		-			
INORGANICS															
ALUMINUM							.137 MG/L		J						
ARSENIC							.002 MG/L		U						
BARIUM							.035 MG/L		J						
CADMIUM							.0037 MG/L		J						
CALCIUM							129 MG/L		J						
CHROMIUM							.0428 MG/L		J						
COPPER							.01 MG/L		UJ						

SAMPLE NUMBER:	EMGW_SYSGEN_436			068514			004214			004214			068561		
LAB:	NET			IT/RSL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON							.0803 MG/L		J						
LEAD							.008 MG/L		-						
MAGNESIUM							27.1 MG/L		J						
MANGANESE							.0238 MG/L		J						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.01 MG/L		UJ						
NICKEL							.02 MG/L		UJ						
POTASSIUM							1.75 MG/L		J						
SELENIUM							.002 MG/L		U						
SILICON							5.14 MG/L		J						
SILVER							.0136 MG/L		J						
SODIUM							6.21 MG/L		J						
VANADIUM							.0242 MG/L		J						
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				2.06 PCI/L	.65	-				1.21 PCI/L	.33	-	2.42 PCI/L	.64	-
URANIUM, TOTAL				3.49 UG/L	.37	-				3.59 UG/L	1.02	-	7.49 UG/L	2.06	J
URANIUM-234				2.58 PCI/L		-				1.4 PCI/L	.36	-	2.24 PCI/L	.62	-
THORIUM-230				1.27 PCI/L	.67	J				1 PCI/L		U	1 PCI/L		U
RADIUM-226				1 PCI/L		U				1 PCI/L		UJ	1 PCI/L		U
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
THORIUM-232				1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
THORIUM, TOTAL				5.2 UG/L		U				1.7 UG/L		U	4.2 UG/L		U
RADIUM-228				3 PCI/L		UJ				3 PCI/L		R	3 PCI/L		U
THORIUM-228				5.6 PCI/L	1.54	U				1 PCI/L		U	1.85 PCI/L	.64	J
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U	5.69 PCI/L	.878	-
TECHNETIUM-99				30 PCI/L		R				30 PCI/L		UJ	30 PCI/L		UJ
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R	150 PCI/L		UJ
CESIUM-137				20 PCI/L		R				20 PCI/L		R	20 PCI/L		UJ
GROSS ALPHA													12 PCI/L		UNV
GROSS BETA													6.5 PCI/L		UNV
SEMIVOLATILES															

2-CHLOROETHYLVINYL ETHER	60 UG/L	UNV

SAMPLE NUMBER:	EMGW_SYSGEN_436			068514			004214			004214			068561		
LAB:	NET			IT/RSL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_438			EMGW_SYSGEN_438			EMGW_SYSGEN_438			068452			068452		
TASK:	GWMON			GWMON			GWMON			3.11			3.11		
LAB:	NET			NET			WMCO			IT			IT		
WELL OR BORING NUMBER:	2017			2017			2017			2017			2017		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	10-SEP-91			10-SEP-91			10-SEP-91			12-DEC-91			12-DEC-91		
NORTH COORDINATE:	476259.2			476259.2			476259.2			476259.2			476259.2		
EAST COORDINATE:	1379157.09			1379157.09			1379157.09			1379157.09			1379157.09		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				374 MG/L		NV									
AMMONIA													.1 MG/L		U
BICARBONATE				373 MG/L		NV									
CARBONATE ALKALINITY				1 MG/L		NV									
CHLORIDE				9 MG/L		NV							38.7 MG/L		-
FLUORIDE													.129 MG/L		-
NITRATE				.37 MG/L		NV							.049 MG/L		U
NITRATE, AS NITROGEN				.37 MG/L		NV									
PH				7.12 SU		NV							.01 MG/L		U
PHENOLS													.01 MG/L		U
PHOSPHORUS													.01 MG/L		U
SPECIFIC CONDUCTIVITY				663 UMHOS/CM		NV									
SULFATE				54 MG/L		NV							140 MG/L		U
SULFIDE													.5 MG/L		U
TOTAL DISSOLVED SOLIDS				390 MG/L		NV									
TOTAL ORGANIC CARBON				24 MG/L		NV							4.83 MG/L		-
TOTAL ORGANIC HALIDES													10 MG/L		UJ
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN													.1 MG/L		U
INORGANICS															
ALUMINUM	.2 MG/L		UNV							.127 MG/L		-			
ANTIMONY	.02 MG/L		UNV												
ARSENIC	.005 MG/L		UNV							.002 MG/L		U			
BARIUM	.2 MG/L		UNV							.0316 MG/L		-			
BERYLLIUM	.005 MG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_438			EMGW_SYSGEN_438			EMGW_SYSGEN_438			068452			068452		
LAB:	NET			NET			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM	.001 MG/L		UNV							.0044 MG/L		-			
CALCIUM	119 MG/L		NV							143 MG/L		-			
CHROMIUM				.0047 MG/L		NV				.0326 MG/L		-			
COBALT	.005 MG/L		UNV												
COPPER	.04 MG/L		UNV							.0135 MG/L		-			
IRON	.1 MG/L		UNV							.129 MG/L		J			
LEAD	.003 MG/L		UNV							.0074 MG/L		UJ			
MAGNESIUM	28 MG/L		NV							34.4 MG/L		-			
MANGANESE	.015 MG/L		UNV							.0179 MG/L		-			
MERCURY	.0002 MG/L		UNV										.0002 MG/L		U
MOLYBDENUM	.01 MG/L		UNV							.01 MG/L		U			
NICKEL	.01 MG/L		UNV							.02 MG/L		U			
POTASSIUM	1.5 MG/L		NV							2.36 MG/L		-			
SELENIUM	.005 MG/L		UNV							.002 MG/L		U			
SILICON										5.25 MG/L		-			
SILVER	.001 MG/L		UNV							.0292 MG/L		-			
SODIUM	5.3 MG/L		NV							11.4 MG/L		-			
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV							.0146 MG/L		-			
ZINC	.02 MG/L		UNV												
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238										1 PCI/L		U			
URANIUM, TOTAL							5.4 UG/L		NV	1 UG/L		U			
URANIUM-234										1.59 PCI/L	.7	J			
THORIUM-230										1 PCI/L		U			
RADIUM-226										1 PCI/L		U			
URANIUM-235/236										1 PCI/L		U			
THORIUM-232										1 PCI/L		U			
THORIUM, TOTAL										4.9 UG/L		U			
RADIUM-228										3 PCI/L		R			
THORIUM-228										1 PCI/L		U			
PLUTONIUM-239/240										1.5 PCI/L		UJ			
PLUTONIUM-238										1 PCI/L		UJ			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		UJ			
RUTHENIUM-106										150 PCI/L		R			

SAMPLE NUMBER:	EMGW_SYSGEN_438			EMGW_SYSGEN_438			EMGW_SYSGEN_438			068452			068452		
LAB:	NET			NET			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137										20 PCI/L		R			
GROSS ALPHA										5.4 PCI/L		UNV			
GROSS BETA										5.8 PCI/L		UNV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									

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SAMPLE NUMBER:	EMGW_SYSGEN_438			EMGW_SYSGEN_438			EMGW_SYSGEN_438			068452			068452		
LAB:	NET			NET			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_435	EMGW_SYSGEN_435	068081	068007	068008
TASK:	GWMON	GWMON	3.11	3.11	3.11
LAB:	IT	NET	WEMCO	IT/RSL	WEMCO
WELL OR BORING NUMBER:	2017	2017	2017	2017	2017
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-JUN-90	13-JUN-90	13-JUN-91	14-MAY-91	14-MAY-91
NORTH COORDINATE:	476259.2	476259.2	476259.2	476259.2	476259.2
EAST COORDINATE:	1379157.09	1379157.09	1379157.09	1379157.09	1379157.09
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE				9 MG/L		NV									
NITRATE, AS NITROGEN				.76 MG/L		NV									
SULFATE				48 MG/L		NV									
TOTAL ORGANIC CARBON				1 MG/L		UNV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
RADIONUCLIDES															
URANIUM-238	1.72 PCI/L		NV							1 PCI/L		U			
URANIUM, TOTAL	5.35 UG/L		NV				2.8 UG/L		NV	3.17 UG/L	.33	-	3 UG/L		NV
URANIUM-234	1.75 PCI/L		NV							1.46 PCI/L	.32	-			
THORIUM-230	2.63 PCI/L		NV							1 PCI/L		U			
RADIUM-226	1 PCI/L		UNV							1 PCI/L		UJ			
URANIUM-235/236	.497 PCI/L		NV							1 PCI/L		U			
THORIUM-232	.462 PCI/L		NV							1 PCI/L		U			
THORIUM, TOTAL	4.17 UG/L		NV							2.9 UG/L		U			
RADIUM-228	3 PCI/L		UNV							8.02 PCI/L	1.58	J			
THORIUM-228	1.62 PCI/L		NV							1 PCI/L		U			
NEPTUNIUM-237										1 PCI/L		UJ			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA	15 PCI/L		UNV												
GROSS BETA	12 PCI/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_435			EMGW_SYSGEN_435			068081			068007			068008		
LAB:	IT			NET			WEMCO			IT/RSL			WEMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				10 UG/L		UNV									
2-HEXANONE				10 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				10 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				10 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				10 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				5 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				10 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068315			068316			068239			068239			068240		
TASK:	3.11			3.11			3.11			3.11			3.11		
LAB:	IT			WEMCO			IT			IT			WEMCO		
WELL OR BORING NUMBER:	2017			2017			2017			2017			2017		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-OCT-91			16-OCT-91			18-SEP-91			18-SEP-91			18-SEP-91		
NORTH COORDINATE:	476259.2			476259.2			476259.2			476259.2			476259.2		
EAST COORDINATE:	1379157.09			1379157.09			1379157.09			1379157.09			1379157.09		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		U			
CHLORIDE										2 MG/L		-			
FLUORIDE										.1 MG/L		U			
NITRATE										1.8 MG/L		J			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.01 MG/L		U			
SULFATE										150 MG/L		-			
SULFIDE										1.6 MG/L		-			
TOTAL ORGANIC CARBON										.001 MG/L		U			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.2 MG/L		-			
INORGANICS															
ALUMINUM							.04 MG/L		U						
ANTIMONY							.03 MG/L		U						
ARSENIC							.002 MG/L		UJ						
BARIUM							.0297 MG/L		-						
BERYLLIUM							.001 MG/L		U						
CADMIUM							.005 MG/L		U						
CALCIUM							144 MG/L		-						
CHROMIUM							.01 MG/L		U						
COBALT							.02 MG/L		U						
COPPER							.01 MG/L		U						
IRON							.021 MG/L		-						
LEAD							.0051 MG/L		J						
MAGNESIUM							32.2 MG/L		-						

SAMPLE NUMBER:	068315			068316			068239			068239			068240		
LAB:	IT			WEMCO			IT			IT			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE							.0027 MG/L		-						
MERCURY										.0002 MG/L		U			
MOLYBDENUM							.01 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							1.92 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILICON							4.96 MG/L		-						
SILVER							.005 MG/L		U						
SODIUM							7.99 MG/L		-						
THALLIUM							.002 MG/L		U						
VANADIUM							.01 MG/L		U						
ZINC							.0151 MG/L		U						
RADIONUCLIDES															
URANIUM-238	1.48 PCI/L	.44	-				1.6 PCI/L	.33	-						
URANIUM, TOTAL	5.09 UG/L	.56	-	4.4 UG/L		NV	5.16 UG/L	.54	-				4.2 UG/L		NV
URANIUM-234	2.4 PCI/L	.58	-				2.48 PCI/L	.44	-						
THORIUM-230							1 PCI/L		UJ						
RADIUM-226	1 PCI/L		U				1 PCI/L		UJ						
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U						
THORIUM-232							1 PCI/L		U						
THORIUM, TOTAL							1.6 UG/L		U						
RADIUM-228	3 PCI/L		U				3 PCI/L		UJ						
THORIUM-228							1.13 PCI/L	.36	-						
NEPTUNIUM-237							1 PCI/L		U						
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		UJ						
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		UJ						
STRONTIUM-90	5 PCI/L		UJ				5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U						
RUTHENIUM-106	150 PCI/L		U				150 PCI/L		R						
CESIUM-137	20 PCI/L		U				20 PCI/L		R						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003846	003846	GW930426-14	GW930426-14	GW930426-14
TASK:	3.2.4	3.2.4	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	2017	2017	2017	2017	2017
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-JAN-89	20-JAN-89	26-APR-93	26-APR-93	26-APR-93
NORTH COORDINATE:	476259.2	476259.2	476259.2	476259.2	476259.2
EAST COORDINATE:	1379157.09	1379157.09	1379157.09	1379157.09	1379157.09
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		UJ									
CHLORIDE				36 MG/L		-									
FLUORIDE				.14 MG/L		J									
NITRATE				.1 MG/L		R									
PHENOLS				.01 MG/L		U									
SULFATE				96.4 MG/L		-									
TOTAL KJELDAHL NITROGEN				.357 MG/L		R									
TOTAL ORGANIC HALIDES				.012 MG/L		J									
TOTAL ORGANIC NITROGEN				.357 MG/L		-									
INORGANICS															
ARSENIC	.002 MG/L		U												
BARIUM	.036 MG/L		-												
CADMIUM	.005 MG/L		-												
CALCIUM	157 MG/L		-												
CHROMIUM	.03 MG/L		-												
COPPER	.014 MG/L		-												
IRON	.17 MG/L		-												
LEAD	.002 MG/L		R												
MAGNESIUM	33 MG/L		-												
MANGANESE	.183 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.02 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	2.52 MG/L		-												
SELENIUM	.002 MG/L		UJ												

SAMPLE NUMBER:	003846			003846			GW930426-14			GW930426-14			GW930426-14		
LAB:	IT			IT			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SILVER	.0005 MG/L		R												
SODIUM	8.68 MG/L		-												
RADIONUCLIDES															
URANIUM-238				1.4 PCI/L	.4	-	1.4 PCI/L	.3	J	1.7 PCI/L	.3	J			
URANIUM, TOTAL				4 UG/L	1	-	4.5 UG/L	.3	-	4.5 UG/L	.3	-	4 UG/L		NV
URANIUM-234				1.2 PCI/L	.4	-	1.7 PCI/L	.3	J	2 PCI/L	.4	J			
THORIUM-230				1 PCI/L		U	.2 PCI/L	.3	UJ	.4 PCI/L	.1	UJ			
RADIUM-226				1 PCI/L		U	1 PCI/L	.3	U	1 PCI/L	.3	UJ			
URANIUM-235/236				1 PCI/L		U	.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ			
THORIUM-232				1 PCI/L		U	.3 PCI/L	.2	U	.4 PCI/L	.2	UJ			
THORIUM, TOTAL				4 UG/L		U									
RADIUM-228				3 PCI/L		U	3 PCI/L	1.4	U	3 PCI/L	1.5	U			
THORIUM-228				1 PCI/L		U	.3 PCI/L	.2	UJ	.2 PCI/L	.1	UJ			
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA							3.1 PCI/L	1.7	UNV	7 PCI/L	3.2	NV			
GROSS BETA							5.4 PCI/L	2.1	NV	6 PCI/L	3.6	UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930426-14	GW930426-14	003379	003379	003010
TASK:	50.03.23	50.03.23	3.2.4	3.2.4	9.8
LAB:	NET	NET	IT	IT	WMCO
WELL OR BORING NUMBER:	2017	2017	2017	2017	2018
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-APR-93	26-APR-93	26-JUL-88	26-JUL-88	01-DEC-87
NORTH COORDINATE:	476259.2	476259.2	476259.2	476259.2	479447.7
EAST COORDINATE:	1379157.09	1379157.09	1379157.09	1379157.09	1378671.57
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				360 MG/L		-									
AMMONIA				.1 MG/L		U				.1 MG/L		U			
BICARBONATE ALKALINITY				470 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				38 MG/L		-				33 MG/L		-			
FLUORIDE				.15 MG/L		-				1.1 MG/L		-			
NITRATE										.1 MG/L		R			
NITRITE, AS NITROGEN				1.74 MG/L		-									
PH				7.17 SU		-				.05 MG/L		U			
PHENOLS				.01 MG/L		U				.05 MG/L		U			
PHOSPHORUS				.24 MG/L		-				.01 MG/L		U			
SPECIFIC CONDUCTIVITY				852 UMHOS/CM		-									
SULFATE				120 MG/L		-				110 MG/L		-	44 MG/L		UNV
TOTAL DISSOLVED SOLIDS	594 MG/L		-										383 MG/L		UNV
TOTAL KJELDAHL NITROGEN				.39 MG/L		-									
TOTAL ORGANIC CARBON				16 MG/L		J									
TOTAL ORGANIC HALOGENS				.01 MG/L		UJ									
TOTAL ORGANIC NITROGEN				.29 MG/L		-				.1 MG/L		U			
TOTAL SOLIDS				796 MG/L		-									
INORGANICS															
ALUMINUM	.0237 MG/L		U	3.23 MG/L		-									
ANTIMONY	.045 MG/L		U	.045 MG/L		U									
ARSENIC	.002 MG/L		UJ	.003 MG/L		J	.01 MG/L		U				.0025 MG/L		UNV
BARIUM	.0297 MG/L		-	.0484 MG/L		-	.2 MG/L		U				.2 MG/L		UNV
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									

000831

6417

SAMPLE NUMBER:	GW930426-14			GW930426-14			003379			003379			003010		
LAB:	NET			NET			IT			IT			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM	.003 MG/L		U	.003 MG/L		U	.005 MG/L		U				.001 MG/L		UNV
CALCIUM	145 MG/L		-	147 MG/L		-	140 MG/L		-				105 MG/L		UNV
CHROMIUM	.005 MG/L		U	.0098 MG/L		U	.09 MG/L		-				.005 MG/L		UNV
COBALT	.0219 MG/L		UJ	.008 MG/L		U									
COPPER	.0088 MG/L		U	.0215 MG/L		-	.025 MG/L		U				.025 MG/L		UNV
CYANIDE	.01 MG/L		UJ	.01 MG/L		UJ									
IRON	.0199 MG/L		U	6.06 MG/L		-	.4 MG/L		-				.05 MG/L		UNV
LEAD	.0012 MG/L		-	.003 MG/L		J	.2 MG/L		U				.005 MG/L		UNV
MAGNESIUM	32 MG/L		-	35.3 MG/L		-	33 MG/L		-				25.7 MG/L		UNV
MANGANESE	.0088 MG/L		U	.37 MG/L		-	.24 MG/L		-				.015 MG/L		UNV
MERCURY	.0002 MG/L		U	.0002 MG/L		U	.0004 MG/L		-				.0002 MG/L		UNV
MOLYBDENUM							.05 MG/L		U						
NICKEL	.02 MG/L		U	.02 MG/L		U	.35 MG/L		-				.005 MG/L		UNV
POTASSIUM	1.78 MG/L		-	2.41 MG/L		-	5 MG/L		U				1.43 MG/L		UNV
SELENIUM	.0014 MG/L		UJ	.001 MG/L		J	.005 MG/L		U				.0025 MG/L		UNV
SILVER	.007 MG/L		U	.007 MG/L		UJ	.01 MG/L		U				.03 MG/L		UNV
SODIUM	10.7 MG/L		-	11 MG/L		-	12 MG/L		-				5.5 MG/L		UNV
THALLIUM	.002 MG/L		U	.002 MG/L		U									
VANADIUM	.003 MG/L		U	.0071 MG/L		-									
ZINC	.005 MG/L		U	.0225 MG/L		-							.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238										1.8 PCI/L	.5	J			
URANIUM, TOTAL										4 UG/L	1	J			
URANIUM-234										3.1 PCI/L	.6	J			
THORIUM-230										1 PCI/L		UJ			
RADIUM-226										1 PCI/L		U			
URANIUM-235/236										1 PCI/L		UJ			
THORIUM-232										1 PCI/L		UJ			
THORIUM, TOTAL										5 UG/L		UJ			
RADIUM-228										3 PCI/L		U			
THORIUM-228										1 PCI/L		UJ			
NEPTUNIUM-237										1 PCI/L		UJ			
PLUTONIUM-239/240										1 PCI/L		UJ			
PLUTONIUM-238										1 PCI/L		UJ			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			

SAMPLE NUMBER:	GW930426-14			GW930426-14			003379			003379			003010		
LAB:	NET			NET			IT			IT			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		UJ									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		UJ									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003010	003665	003665	EMGW_SYSGEN_443	004215
TASK:	9.8	3.2.4	3.2.4	GWMON	3.2.4
LAB:	WMCO	IT	IT	NET	IT
WELL OR BORING NUMBER:	2018	2018	2018	2018	2018
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-DEC-87	07-NOV-88	07-NOV-88	16-OCT-90	18-APR-90
NORTH COORDINATE:	479447.7	479447.7	479447.7	479447.7	479447.7
EAST COORDINATE:	1378671.57	1378671.57	1378671.57	1378671.57	1378671.57
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										188 MG/L		NV			
AMMONIA							.1 MG/L		U	.02 MG/L		UNV			
CHEMICAL OXYGEN DEMAND	10 MG/L		UNV												
CHLORIDE	8 MG/L		UNV				7.2 MG/L		-	16 MG/L		NV			
FLUORIDE	.21 MG/L		UNV				.18 MG/L		-	.35 MG/L		NV			
HEXAVALENT CHROMIUM	.005 MG/L		UNV												
NITRATE	1.24 MG/L		UNV				.344 MG/L		U	2.17 MG/L		NV			
NITRATE/NITRITE										2.17 MG/L		NV			
PH	.005 MG/L		UNV				.01 MG/L		UJ	7.18 SU		NV			
PHENOLS	.005 MG/L		UNV				.01 MG/L		UJ	.005 MG/L		UNV			
PHOSPHORUS	.02 MG/L		UNV				.095 MG/L		-	.03 MG/L		NV			
SPECIFIC CONDUCTIVITY										570 UMHOS/CM		NV			
SULFATE							102 MG/L		-	58 MG/L		NV			
TOTAL DISSOLVED SOLIDS										480 MG/L		NV			
TOTAL KJELDAHL NITROGEN							.45 MG/L		U						
TOTAL ORGANIC CARBON	2 MG/L		UNV							1 MG/L		NV			
TOTAL ORGANIC HALIDES	.024 MG/L		UNV				.05 MG/L		U						
TOTAL ORGANIC HALOGENS										.01 MG/L		NV			
TOTAL ORGANIC NITROGEN							.45 MG/L		-						
HERBICIDES															
2,4,5-TP (SILVEX)	500 UG/L		UNV												
2,4-D	1000 UG/L		UNV												
INORGANICS															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003010			003665			003665			EMGW_SYSGEN_443			004215		
LAB:	WMCO			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ARSENIC				.002 MG/L		U							.002 MG/L		U
BARIUM				.03 MG/L		-							.037 MG/L		-
CADMIUM				.02 MG/L		-							.002 MG/L		U
CALCIUM				93.8 MG/L		-							90.8 MG/L		-
CHROMIUM				.02 MG/L		U							.01 MG/L		U
COPPER				.01 MG/L		U							.01 MG/L		U
CYANIDE	.005 MG/L		UNV							.005 MG/L		UNV			
IRON				.005 MG/L		U							.062 MG/L		-
LEAD				.015 MG/L		R							.002 MG/L		U
MAGNESIUM				24.2 MG/L		-							24.6 MG/L		-
MANGANESE				.007 MG/L		-							.006 MG/L		-
MERCURY				.0002 MG/L		U							.0002 MG/L		U
MOLYBDENUM				.02 MG/L		U							.01 MG/L		U
NICKEL				.02 MG/L		U							.02 MG/L		U
POTASSIUM				1.54 MG/L		-							1.45 MG/L		-
SELENIUM				.002 MG/L		UJ							.003 MG/L		UJ
SILICON													2.2 MG/L		-
SILVER				.01 MG/L		U							.01 MG/L		U
SODIUM				5.6 MG/L		-							8.15 MG/L		-
VANADIUM													.01 MG/L		U
MISC															
ALACHLOR	2000 UG/L		UNV												
ATRAZINE	1000 UG/L		UNV												
CARBOFURAN	1000000 NG/L		UNV												
CYANAZINE	1000 UG/L		UNV												
FONOFOS	1000 UG/L		UNV												
LINURON	1000 UG/L		UNV												
METOLACHLOR	1000 UG/L		UNV												
METRIBUZIN	1000 UG/L		UNV												
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
ORGANOPHOSPHORUS PESTICIDES															
PHOSPHORODITHIOIC ACID, O,O-DIETHYL-S-(((1,1-DIMETHYL	1000 UG/L		UNV												
PESTICIDES															

.06 MG/L U

SAMPLE NUMBER:	003010			003665			003665			EMGW_SYSGEN_443			004215		
LAB:	WMCO			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
GAMMA-BHC (LINDANE)	200 UG/L		UNV												
METHOXYCHLOR	200 UG/L		UNV												
TOXAPHENE	500 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1.2 PCI/L	.3	-						
URANIUM, TOTAL							3 UG/L	1	-						
URANIUM-234							1 PCI/L		U						
THORIUM-230							1 PCI/L		U						
RADIUM-226							1 PCI/L		U						
URANIUM-235/236							1 PCI/L		U						
THORIUM-232							1 PCI/L		U						
THORIUM, TOTAL							6 UG/L		U						
RADIUM-228							4.3 PCI/L	1.6	J						
THORIUM-228							1 PCI/L		U						
NEPTUNIUM-237							1 PCI/L		U						
PLUTONIUM-239/240							1 PCI/L		R						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			

SAMPLE NUMBER:	003010			003665			003665			EMGW_SYSGEN_443			004215		
LAB:	WMCO			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004215	EMGW_SYSGEN_442	EMGW_SYSGEN_442	003864	003864
TASK:	3.2.4	GWMON	GWMON	3.2.4	3.2.4
LAB:	IT	IT	NET	IT	IT
WELL OR BORING NUMBER:	2018	2018	2018	2018	2018
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-APR-90	19-APR-90	19-APR-90	23-JAN-89	23-JAN-89
NORTH COORDINATE:	479447.7	479447.7	479447.7	479447.7	479447.7
EAST COORDINATE:	1378671.57	1378671.57	1378671.57	1378671.57	1378671.57
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U										.121 MG/L		J
CHLORIDE	6.45 MG/L		-				13 MG/L		NV				3 MG/L		J
FLUORIDE	.17 MG/L		-										.12 MG/L		J
NITRATE	1.1 MG/L		R				1.87 MG/L		NV				.18 MG/L		J
NITRATE, AS NITROGEN							1.87 MG/L		NV						
PHENOLS	.02 MG/L		-										.22 MG/L		J
PHOSPHORUS	.71 MG/L		J												
SULFATE	59.9 MG/L		-				66 MG/L		NV				79.7 MG/L		J
SULFIDE	.5 MG/L		U												
TOTAL KJELDAHL NITROGEN													.745 MG/L		J
TOTAL ORGANIC CARBON	2 MG/L		J				2 MG/L		NV						
TOTAL ORGANIC HALIDES	.05 MG/L		UJ										.01 MG/L		-
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN	.1 MG/L		UJ										.624 MG/L		J
INORGANICS															
ARSENIC										.002 MG/L		UJ			
BARIUM										.049 MG/L		J			
CADMIUM										.006 MG/L		J			
CALCIUM										108 MG/L		J			
CHROMIUM										.024 MG/L		J			
COPPER										.012 MG/L		J			
IRON										.126 MG/L		J			
LEAD										.002 MG/L		UJ			
MAGNESIUM										27.9 MG/L		J			
MANGANESE										.012 MG/L		J			

SAMPLE NUMBER:	004215			EMGW_SYSGEN_442			EMGW_SYSGEN_442			003864			003864		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MERCURY										.0004 MG/L		J			
MOLYBDENUM										.02 MG/L		UJ			
NICKEL										.02 MG/L		UJ			
POTASSIUM										1.22 MG/L		J			
SELENIUM										.002 MG/L		UJ			
SILVER										.0005 MG/L		UJ			
SODIUM										5.34 MG/L		J			
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	1.96 PCI/L	.52	-	.946 PCI/L		NV							1 PCI/L		U
URANIUM, TOTAL	5.79 UG/L	1.62	-	2.59 UG/L		NV							4 UG/L	1	-
URANIUM-234	1.24 PCI/L	.41	-	.733 PCI/L		NV							1 PCI/L		U
THORIUM-230	1.65 PCI/L	.59	-	.51 PCI/L		UNV							1 PCI/L		U
RADIUM-226	1.84 PCI/L	.34	R	1.03 PCI/L		NV							1 PCI/L		U
URANIUM-235/236	1 PCI/L		U	.32 PCI/L		UNV							1 PCI/L		U
THORIUM-232	1.02 PCI/L	.47	-	.51 PCI/L		UNV							1 PCI/L		U
THORIUM, TOTAL	9.18 UG/L	4.19	-	4.6 UG/L		UNV							9 UG/L		U
RADIUM-228	3 PCI/L		UJ	3 PCI/L		UNV							3.2 PCI/L		U
THORIUM-228	1 PCI/L		U	.718 PCI/L		NV							1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		UJ										1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		U										1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U										1 PCI/L		U
STRONTIUM-90	5 PCI/L		U										5 PCI/L		U
TECHNETIUM-99	30 PCI/L		UJ										30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R										150 PCI/L		R
CESIUM-137	20 PCI/L		R										20 PCI/L		R
GROSS ALPHA				15.4 PCI/L	.0095	NV									
GROSS BETA				22.2 PCI/L		UNV									
SEMIVOLATILES															
1,3-DICHLOROBENZENE							1 UG/L		UNV						
1,4-DICHLOROBENZENE							1 UG/L		UNV						
2-CHLOROETHYLVINYL ETHER							60 UG/L		UNV						
VOLATILES															

SAMPLE NUMBER:	004215	EMGW_SYSGEN_442	EMGW_SYSGEN_442	003864	003864
LAB:	IT	IT	NET	IT	IT
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
TRICHLOROFLUOROMETHANE							1 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003381			003381			003069			003069			EMGW_SYSGEN_450		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			GWMON		
LAB:	IT			IT			IT			IT			NET		
WELL OR BORING NUMBER:	2018			2018			2018			2018			2019		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	27-JUL-88			27-JUL-88			29-MAR-88			29-MAR-88			01-JUL-91		
NORTH COORDINATE:	479447.7			479447.7			479447.7			479447.7			481674.46		
EAST COORDINATE:	1378671.57			1378671.57			1378671.57			1378671.57			1379093.84		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		UJ				.1 MG/L		UR			
CHLORIDE				7.9 MG/L		J				6.4 MG/L		J			
FLUORIDE				1 MG/L		R				.14 MG/L		J			
HEXAVALENT CHROMIUM										.02 MG/L		J			
NITRATE				2.1 MG/L		J				.1 MG/L		R			
PHENOLS				.05 MG/L		U				.01 MG/L		UR			
PHOSPHORUS				.01 MG/L		R									
SULFATE				46 MG/L		R				4 MG/L		R			
TOTAL ORGANIC NITROGEN				.1 MG/L		UJ				.1 MG/L		UR			
INORGANICS															
ALUMINUM													.2 MG/L		UNV
ANTIMONY													.02 MG/L		UNV
ARSENIC	.01 MG/L		UJ				.2 MG/L		U				.005 MG/L		UNV
BARIUM	.2 MG/L		U				.05 MG/L		U				.2 MG/L		UNV
BERYLLIUM													.05 MG/L		UNV
CADMIUM	.005 MG/L		U				.005 MG/L		U				.001 MG/L		UNV
CALCIUM	100 MG/L		J				91.7 MG/L		-				104 MG/L		NV
CHROMIUM	.01 MG/L		U				.02 MG/L		U						
COBALT													.005 MG/L		UNV
COPPER	.025 MG/L		U				.01 MG/L		U				.02 MG/L		UNV
IRON	.1 MG/L		U				.1 MG/L		-				.1 MG/L		NV
LEAD	.2 MG/L		U				.05 MG/L		U				.005 MG/L		UNV
MAGNESIUM	26 MG/L		-				23.08 MG/L		-				1.8 MG/L		NV
MANGANESE	.015 MG/L		U				.02 MG/L		U				.015 MG/L		UNV
MERCURY	.0009 MG/L		U				.0002 MG/L		UJ				.0002 MG/L		UNV

SAMPLE NUMBER:	003381			003381			003069			003069			EMGW_SYSGEN_450		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.05 MG/L		U				.02 MG/L		U				.01 MG/L		UNV
NICKEL	.04 MG/L		U				.02 MG/L		U				.01 MG/L		UNV
POTASSIUM	5 MG/L		U				1.18 MG/L		-				7.2 MG/L		NV
SELENIUM	.005 MG/L		-				.2 MG/L		UJ				.005 MG/L		UNV
SILVER	.01 MG/L		UJ				.02 MG/L		U				.001 MG/L		UNV
SODIUM	6 MG/L		-				5.9 MG/L		-				46 MG/L		NV
THALLIUM													.01 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.023 MG/L		NV
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		UJ			
URANIUM, TOTAL				1 UG/L		U				2 UG/L	1	J			
URANIUM-234				1 PCI/L		U				1 PCI/L		UJ			
THORIUM-230				1.2 PCI/L	.5	-				1 PCI/L		UJ			
RADIUM-226				1 PCI/L		U				1 PCI/L		UJ			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		UJ			
THORIUM-232				1 PCI/L		U				1 PCI/L		UJ			
THORIUM, TOTAL				4 UG/L		U									
RADIUM-228				3 PCI/L		UJ				3 PCI/L		UJ			
THORIUM-228				1 PCI/L		U				1 PCI/L		UJ			
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		R				1 PCI/L		UJ			
PLUTONIUM-238				1 PCI/L		R				1 PCI/L		UJ			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		UJ			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		UJ			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_450			EMGW_SYSGEN_450			EMGW_SYSGEN_445			EMGW_SYSGEN_445			EMGW_SYSGEN_445		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			WMCO			IT			NET			NET		
WELL OR BORING NUMBER:	2019			2019			2019			2019			2019		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	01-JUL-91			01-JUL-91			01-MAY-90			01-MAY-90			01-MAY-90		
NORTH COORDINATE:	481674.46			481674.46			481674.46			481674.46			481674.46		
EAST COORDINATE:	1379093.84			1379093.84			1379093.84			1379093.84			1379093.84		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	249 MG/L		NV												
AMMONIA	2.42 MG/L		NV												
CHLORIDE	49 MG/L		NV										62 MG/L		NV
FLUORIDE	.38 MG/L		NV										.35 MG/L		NV
NITRATE, AS NITROGEN	21.3 MG/L		NV												
NITRATE/NITRITE													49.6 MG/L		NV
PH	7.33 SU		NV										4 UG/L		UNV
PHENOLS	.005 MG/L		UNV										.005 MG/L		UNV
PHOSPHORUS	.11 MG/L		NV												
SPECIFIC CONDUCTIVITY	905 UMHOS/CM		NV												
SULFATE	89 MG/L		NV										97 MG/L		NV
TOTAL DISSOLVED SOLIDS	538 MG/L		NV												
TOTAL ORGANIC CARBON	14 MG/L		NV										5 MG/L		NV
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV										.031 MG/L		NV
INORGANICS															
ALUMINUM	.2 MG/L		UNV							.05 MG/L		UNV	.05 MG/L		UNV
ANTIMONY	.02 MG/L		UNV							.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC	.005 MG/L		UNV							.0025 MG/L		UNV	.0025 MG/L		UNV
BARIUM	.2 MG/L		UNV							.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM	.05 MG/L		UNV							.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM	.001 MG/L		UNV							.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	114 MG/L		NV							141 MG/L		NV	266 MG/L		NV
CHROMIUM	.002 MG/L		UNV										.005 MG/L		UNV
COBALT	.005 MG/L		UNV							.025 MG/L		UNV	.025 MG/L		UNV
COPPER	.02 MG/L		UNV							.029 MG/L		NV	.029 MG/L		NV

000843

6417

SAMPLE NUMBER:	EMGW_SYSGEN_450			EMGW_SYSGEN_450			EMGW_SYSGEN_445			EMGW_SYSGEN_445			EMGW_SYSGEN_445		
LAB:	NET			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE	.005 MG/L		UNV										.005 MG/L		UNV
IRON	.12 MG/L		NV							.05 MG/L		UNV	.05 MG/L		UNV
LEAD	.0051 MG/L		NV							.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM	2 MG/L		NV							33.4 MG/L		NV	28.8 MG/L		NV
MANGANESE	.015 MG/L		UNV							.02 MG/L		UNV	.02 MG/L		UNV
MERCURY	.0002 MG/L		UNV							.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.01 MG/L		UNV							.025 MG/L		UNV	.025 MG/L		UNV
NICKEL	.01 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
POTASSIUM	7.3 MG/L		NV							6.49 MG/L		NV	6.91 MG/L		NV
SELENIUM	.005 MG/L		UNV							.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER	.001 MG/L		UNV							.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	46 MG/L		NV							62.4 MG/L		NV	65.1 MG/L		NV
THALLIUM	.01 MG/L		UNV							.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV							.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.02 MG/L		NV							.02 MG/L		UNV	.02 MG/L		UNV
MISC															
3-METHYLPHENOL													4 UG/L		UNV
DIPHENYLAMINE													15 UG/L		UNV
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
PESTICIDES															
4,4'-DDD													.2 UG/L		UNV
4,4'-DDE													.2 UG/L		UNV
4,4'-DDT													.2 UG/L		UNV
ALDRIN													.2 UG/L		UNV
ALPHA-BHC													.2 UG/L		UNV
AROCLOR-1016													.2 UG/L		UNV
AROCLOR-1221													.2 UG/L		UNV
AROCLOR-1232													.2 UG/L		UNV
AROCLOR-1242													.2 UG/L		UNV
AROCLOR-1248													.2 UG/L		UNV
AROCLOR-1254													.2 UG/L		UNV
AROCLOR-1260													.2 UG/L		UNV
BETA-BHC													.2 UG/L		UNV
CHLORDANE													.2 UG/L		UNV
DELTA-BHC													.2 UG/L		UNV
DIELDRIN													.2 UG/L		UNV
ENDOSULFAN II													.2 UG/L		UNV
ENDOSULFAN SULFATE													.2 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_450			EMGW_SYSGEN_450			EMGW_SYSGEN_445			EMGW_SYSGEN_445			EMGW_SYSGEN_445		
LAB:	NET			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDOSULFAN-I													.2 UG/L		UNV
ENDRIN													.08 UG/L		UNV
ENDRIN ALDEHYDE													.2 UG/L		UNV
GAMMA-BHC (LINDANE)													.2 UG/L		UNV
HEPTACHLOR													.2 UG/L		UNV
HEPTACHLOR EPOXIDE													.2 UG/L		UNV
TOXAPHENE													.5 UG/L		UNV
RADIONUCLIDES															
URANIUM-238							.495 PCI/L		NV						
URANIUM, TOTAL				2.6 UG/L		NV	1.53 UG/L		NV						
URANIUM-234							.536 PCI/L		NV						
THORIUM-230							.474 PCI/L		NV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236							.2 PCI/L		UNV						
THORIUM-232							.33 PCI/L		UNV						
THORIUM, TOTAL							1.2 UG/L		UNV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							.33 PCI/L		UNV						
NEPTUNIUM-237							.5 PCI/L		UNV						
PLUTONIUM-239/240							.5 PCI/L		UNV						
PLUTONIUM-238							.5 PCI/L		UNV						
STRONTIUM-90							1 PCI/L		UNV						
TECHNETIUM-99							2270 PCI/L		NV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							9.5 PCI/L		UNV						
GROSS ALPHA							11.3 PCI/L		NV						
GROSS BETA							1900 PCI/L		NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													4 UG/L		UNV
1,3-DICHLOROBENZENE													4 UG/L		UNV
1,4-DICHLOROBENZENE													4 UG/L		UNV
2,4,5-TRICHLOROPHENOL													4 UG/L		UNV
2,4,6-TRICHLOROPHENOL													4 UG/L		UNV
2,4-DICHLOROPHENOL													4 UG/L		UNV
2,4-DIMETHYLPHENOL													4 UG/L		UNV
2,4-DINITROPHENOL													4 UG/L		UNV
2,4-DINITROTOLUENE													15 UG/L		UNV
2,6-DINITROTOLUENE													15 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_450			EMGW_SYSGEN_450			EMGW_SYSGEN_445			EMGW_SYSGEN_445			EMGW_SYSGEN_445		
LAB:	NET			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
2-CHLORONAPHTHALENE													4 UG/L		UNV
2-CHLOROPHENOL													4 UG/L		UNV
2-METHYLPHENOL													4 UG/L		UNV
2-NITROANILINE													15 UG/L		UNV
2-NITROPHENOL													4 UG/L		UNV
3,3'-DICHLOROBENZIDINE													15 UG/L		UNV
3-NITROANILINE													15 UG/L		UNV
4,6-DINITRO-2-METHYLPHENOL													4 UG/L		UNV
4-BROMOPHENYL PHENYL ETHER													15 UG/L		UNV
4-CHLORO-3-METHYLPHENOL													4 UG/L		UNV
4-CHLOROPHENYLPHENYL ETHER													15 UG/L		UNV
4-NITROANILINE													15 UG/L		UNV
4-NITROPHENOL													4 UG/L		UNV
ACENAPHTHYLENE													4 UG/L		UNV
ANTHRACENE													4 UG/L		UNV
BENZO(A)ANTHRACENE													4 UG/L		UNV
BENZO(A)PYRENE													4 UG/L		UNV
BENZO(B)FLUORANTHENE													4 UG/L		UNV
BENZO(G,H,I)PERYLENE													4 UG/L		UNV
BENZO(K)FLUORANTHENE													4 UG/L		UNV
BENZOIC ACID													4 UG/L		UNV
BENZYL ALCOHOL													40 UG/L		UNV
BIS(2-CHLOROETHOXY)METHANE													15 UG/L		UNV
BIS(2-CHLOROETHYL)ETHER													15 UG/L		UNV
BIS(2-CHLOROISOPROPYL) ETHER													15 UG/L		UNV
BIS(2-ETHYLHEXYL)PHTHALATE													4 UG/L		UNV
BUTYL BENZYL PHTHALATE													4 UG/L		UNV
CHRYSENE													4 UG/L		UNV
DI-N-BUTYL PHTHALATE													4 UG/L		UNV
DIBENZO(A,H)ANTHRACENE													4 UG/L		UNV
DIBENZOFURAN													4 UG/L		UNV
DIETHYL PHTHALATE													4 UG/L		UNV
DIMETHYL PHTHALATE													4 UG/L		UNV
FLUORANTHENE													4 UG/L		UNV
FLUORENE													4 UG/L		UNV
HEXACHLOROBENZENE													4 UG/L		UNV
HEXACHLOROBUTADIENE													4 UG/L		UNV
HEXACHLOROCYCLOPENTADIENE													4 UG/L		UNV
HEXACHLOROETHANE													4 UG/L		UNV
INDENO(1,2,3-CD)PYRENE													4 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_450			EMGW_SYSGEN_450			EMGW_SYSGEN_445			EMGW_SYSGEN_445			EMGW_SYSGEN_445		
LAB:	NET			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ISOPHORONE													4 UG/L		UNV
N-NITROSO-DI-N-PROPYLAMINE													4 UG/L		UNV
N-NITROSODIPHENYLAMINE													4 UG/L		UNV
NAPHTHALENE													4 UG/L		UNV
NITROBENZENE													4 UG/L		UNV
P-CHLOROANILINE													4 UG/L		UNV
PENTACHLOROPHENOL													4 UG/L		UNV
PHENANTHRENE													4 UG/L		UNV
PHENOL	.005 MG/L		UNV										4 UG/L		UNV
PYRENE													4 UG/L		UNV
PYRIDINE													4 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1,2-TRICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1-DICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1-DICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROPROPANE	1 UG/L		UNV										1 UG/L		UNV
2-BUTANONE	2 UG/L		UNV										2 UG/L		UNV
2-HEXANONE	2 UG/L		UNV										2 UG/L		UNV
4-METHYL-2-PENTANONE	2 UG/L		UNV										2 UG/L		UNV
ACETONE	2 UG/L		UNV										2 UG/L		UNV
BENZENE	1 UG/L		UNV										1 UG/L		UNV
BROMODICHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
BROMOFORM	1 UG/L		UNV										1 UG/L		UNV
BROMOMETHANE	1 UG/L		UNV										1 UG/L		UNV
CARBON DISULFIDE	1 UG/L		UNV										1 UG/L		UNV
CARBON TETRACHLORIDE	1 UG/L		UNV										1 UG/L		UNV
CHLOROBENZENE	1 UG/L		UNV										1 UG/L		UNV
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV										1 UG/L		UNV
CHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV										1 UG/L		UNV
DIBROMOCHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
ETHYLBENZENE	1 UG/L		UNV										1 UG/L		UNV
METHYLENE CHLORIDE	1 UG/L		UNV										1 UG/L		UNV
STYRENE	1 UG/L		UNV										1 UG/L		UNV
TETRACHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_450			EMGW_SYSGEN_450			EMGW_SYSGEN_445			EMGW_SYSGEN_445			EMGW_SYSGEN_445		
LAB:	NET			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TOLUENE	1 UG/L		UNV										1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV										1 UG/L		UNV
TRICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
VINYL ACETATE	2 UG/L		UNV										2 UG/L		UNV
VINYL CHLORIDE	1 UG/L		UNV										1 UG/L		UNV
XYLENES, TOTAL	1 UG/L		UNV										1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_448			EMGW_SYSGEN_448			EMGW_SYSGEN_448			EMGW_SYSGEN_448D			EMGW_SYSGEN_448D		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	IT			NET			NET			IT			NET		
WELL OR BORING NUMBER:	2019			2019			2019			2019			2019		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-FEB-91			04-FEB-91			04-FEB-91			04-FEB-91			04-FEB-91		
NORTH COORDINATE:	481674.46			481674.46			481674.46			481674.46			481674.46		
EAST COORDINATE:	1379093.84			1379093.84			1379093.84			1379093.84			1379093.84		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			DUPLICATE		
QC OF:										EMGW_SYSGEN_448			EMGW_SYSGEN_448		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							238 MG/L		NV						
AMMONIA							2.12 MG/L		NV						
CHLORIDE							53 MG/L		NV						
FLUORIDE							.31 MG/L		NV						
NITRATE, AS NITROGEN							29.7 MG/L		NV						
PH							7.44 SU		NV						
PHENOLS							.005 MG/L		UNV						
PHOSPHORUS							.02 MG/L		UNV						
SPECIFIC CONDUCTIVITY							963 UMHOS/CM		NV						
SULFATE							119 MG/L		NV						
TOTAL DISSOLVED SOLIDS							588 MG/L		NV						
TOTAL ORGANIC CARBON							7 MG/L		NV						
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.5 MG/L		UNV	.5 MG/L		UNV				.5 MG/L		UNV
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV				.0025 MG/L		UNV
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV				.2 MG/L		UNV
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV
CALCIUM				94.3 MG/L		NV	110 MG/L		NV				108 MG/L		NV
CHROMIUM							.005 MG/L		UNV						
COBALT				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
COPPER				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
CYANIDE							.005 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_448			EMGW_SYSGEN_448			EMGW_SYSGEN_448			EMGW_SYSGEN_448D			EMGW_SYSGEN_448D		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV
LEAD				.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV
MAGNESIUM				18 MG/L		NV	20.6 MG/L		NV				20.4 MG/L		NV
MANGANESE				.026 MG/L		NV	.039 MG/L		NV				.029 MG/L		NV
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UNV
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV
POTASSIUM				6.28 MG/L		NV	6.72 MG/L		NV				6.55 MG/L		NV
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV				.0025 MG/L		UNV
SILVER				.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV
SODIUM				47.4 MG/L		NV	48.8 MG/L		NV				47.9 MG/L		NV
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV
ZINC				.02 MG/L		UNV	.02 MG/L		UNV				.02 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	6.18 PCI/L		NV							7.29 PCI/L		NV			
URANIUM, TOTAL	15.7 UG/L		NV							21.3 UG/L		NV			
URANIUM-234	1.77 PCI/L		NV							2.15 PCI/L		NV			
THORIUM-230	.414 PCI/L		NV							.714 PCI/L		NV			
RADIUM-226	1 PCI/L		UNV							1 PCI/L		UNV			
URANIUM-235/236	.2 PCI/L		UNV							.49 PCI/L		NV			
THORIUM-232	.33 PCI/L		UNV							.3 PCI/L		UNV			
THORIUM, TOTAL	2.9 UG/L		UNV							2.7 UG/L		UNV			
RADIUM-228	3 PCI/L		UNV							3 PCI/L		UNV			
THORIUM-228	1.22 PCI/L		NV							.893 PCI/L		NV			
NEPTUNIUM-237	.5 PCI/L		UNV							.5 PCI/L		UNV			
PLUTONIUM-239/240	.5 PCI/L		UNV							.5 PCI/L		UNV			
PLUTONIUM-238	.5 PCI/L		UNV							.5 PCI/L		UNV			
TECHNETIUM-99	1990 PCI/L		NV							2110 PCI/L		NV			
RUTHENIUM-106	150 PCI/L		UNV							150 PCI/L		UNV			
CESIUM-137	7.2 PCI/L		UNV							7.7 PCI/L		UNV			
GROSS ALPHA	8.1 PCI/L		UNV							26 PCI/L		NV			
GROSS BETA	1090 PCI/L		NV							1080 PCI/L		NV			
SEMIVOLATILES															

							10 UG/L		UNV									
SAMPLE NUMBER:	EMGW_SYSGEN_448			EMGW_SYSGEN_448			EMGW_SYSGEN_448			EMGW_SYSGEN_448D			EMGW_SYSGEN_448D		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_448D	003148	003148	003148	EMGW_SYSGEN_447
TASK:	GWMON	3.2.4	3.2.4	3.2.4	GWMON
LAB:	NET	IT	IT	IT/MWL	IT
WELL OR BORING NUMBER:	2019	2019	2019	2019	2019
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-FEB-91	04-MAY-88	04-MAY-88	04-MAY-88	05-NOV-90
NORTH COORDINATE:	481674.46	481674.46	481674.46	481674.46	481674.46
EAST COORDINATE:	1379093.84	1379093.84	1379093.84	1379093.84	1379093.84
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	EMGW_SYSGEN_448				
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	230 MG/L		NV												
AMMONIA	2.09 MG/L		NV				.5 MG/L		U						
CHLORIDE	53 MG/L		NV				38.4 MG/L		J						
FLUORIDE	.32 MG/L		NV				.41 MG/L		J						
NITRATE	31 MG/L		NV				17 MG/L		-						
NITRATE, AS NITROGEN	31 MG/L		NV												
PH	7.4 SU		NV				10 UG/L		UJ						
PHENOLS	.005 MG/L		UNV				.01 MG/L		UJ						
PHOSPHORUS	.13 MG/L		NV				.24 MG/L		-						
SPECIFIC CONDUCTIVITY	967 UMHOS/CM		NV												
SULFATE	106 MG/L		NV				14 MG/L		-						
TOTAL DISSOLVED SOLIDS	590 MG/L		NV												
TOTAL ORGANIC CARBON	4 MG/L		NV												
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.5 MG/L		U						
INORGANICS															
ALUMINUM	.5 MG/L		UNV	.05 MG/L		U									
ANTIMONY	.025 MG/L		UNV	.0005 MG/L		U									
ARSENIC	.0025 MG/L		UNV	.002 MG/L		U									
BARIUM	.2 MG/L		UNV	.056 MG/L		-									
BERYLLIUM	.01 MG/L		UNV	.001 MG/L		U									
CADMIUM	.001 MG/L		UNV	.002 MG/L		U									
CALCIUM	104 MG/L		NV	122.3 MG/L		J									
CHROMIUM	.005 MG/L		UNV	.02 MG/L		U									
COBALT	.025 MG/L		UNV	.01 MG/L		U									

SAMPLE NUMBER:	EMGW_SYSGEN_448D			003148			003148			003148			EMGW_SYSGEN_447		
LAB:	NET			IT			IT			IT/MWL			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER	.025 MG/L		UNV	.01 MG/L		UJ									
CYANIDE	.005 MG/L		UNV				.01 MG/L		UJ						
IRON	.05 MG/L		UNV	.1 MG/L		J									
LEAD	.017 MG/L		NV	.0024 MG/L		UJ									
MAGNESIUM	21.8 MG/L		NV	27.58 MG/L		J									
MANGANESE	.034 MG/L		NV	.005 MG/L		U									
MERCURY	.0002 MG/L		UNV	.0002 MG/L		U									
MOLYBDENUM	.025 MG/L		UNV	.02 MG/L		UJ									
NICKEL	.006 MG/L		NV	.02 MG/L		U									
POTASSIUM	6.65 MG/L		NV	3.818 MG/L		UJ									
SELENIUM	.0025 MG/L		UNV	.002 MG/L		UJ									
SILVER	.001 MG/L		UNV	.0005 MG/L		R									
SODIUM	46.4 MG/L		NV	24.64 MG/L		J									
THALLIUM	.01 MG/L		UNV	.001 MG/L		UJ									
VANADIUM	.05 MG/L		UNV	.01 MG/L		UJ									
ZINC	.026 MG/L		NV	.01 MG/L		UJ									
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL							2000 UG/L		U						
DEMETON							1000 UG/L		U						
DIAZINON							500 UG/L		U						
DISULFOTON							500 UG/L		U						
ETHION							500 UG/L		U						
MALATHION							1000 UG/L		U						
METHYL PARATHION							1000 UG/L		U						
PARATHION							500 UG/L		U						
PESTICIDES															
4,4'-DDD										.1 UG/L		U			
4,4'-DDE										.1 UG/L		U			
4,4'-DDT										.1 UG/L		U			
ALDRIN										.05 UG/L		U			
ALPHA-BHC										.05 UG/L		U			
ALPHA-CHLORDANE										.5 UG/L		U			
AROCLOR-1016										.5 UG/L		U			
AROCLOR-1221										.5 UG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_448D			003148			003148			003148			EMGW_SYSGEN_447		
LAB:	NET			IT			IT			IT/MWL			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
AROCLOR-1232										.5 UG/L		U			
AROCLOR-1242										.5 UG/L		U			
AROCLOR-1248										.5 UG/L		U			
AROCLOR-1254										1 UG/L		U			
AROCLOR-1260										1 UG/L		U			
BETA-BHC										.05 UG/L		U			
DELTA-BHC										.05 UG/L		U			
DIELDRIN										.1 UG/L		U			
ENDOSULFAN II										.1 UG/L		U			
ENDOSULFAN SULFATE										.1 UG/L		U			
ENDOSULFAN-I										.05 UG/L		U			
ENDRIN										.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)										.05 UG/L		U			
GAMMA-CHLORDANE										.5 UG/L		U			
HEPTACHLOR										.05 UG/L		U			
HEPTACHLOR EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.5 UG/L		U			
TOXAPHENE										1 UG/L		U			
RADIONUCLIDES															
URANIUM-238							2.6 PCI/L	.7	J				1.95 PCI/L		NV
URANIUM, TOTAL							9 UG/L	2	J				5.54 UG/L		NV
URANIUM-234							1.1 PCI/L	.4	J				.51 PCI/L		UNV
THORIUM-230							1 PCI/L		UJ				.46 PCI/L		UNV
RADIUM-226							1 PCI/L		U				1 PCI/L		UNV
URANIUM-235/236							1 PCI/L		UJ				.51 PCI/L		UNV
THORIUM-232							1 PCI/L		UJ				.46 PCI/L		UNV
THORIUM, TOTAL													4.1 UG/L		UNV
RADIUM-228							3 PCI/L		U				3 PCI/L		UNV
THORIUM-228							1 PCI/L		UJ				.751 PCI/L		NV
NEPTUNIUM-237							1 PCI/L		UJ				.5 PCI/L		UNV
PLUTONIUM-239/240							1 PCI/L		UJ				.5 PCI/L		UNV
PLUTONIUM-238							1 PCI/L		UJ				.5 PCI/L		UNV
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							912 PCI/L	99	-				1980 PCI/L		NV
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		UNV
CESIUM-137							20 PCI/L		R				4.8 PCI/L		UNV
GROSS ALPHA													72.8 PCI/L		NV
GROSS BETA													943 PCI/L		NV

SEMIVOLATILES

1,2,4-TRICHLOROBENZENE 10 UG/L U
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_448D			003148			003148			003148			EMGW_SYSGEN_447		
LAB:	NET			IT			IT			IT/MWL			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2-DICHLOROBENZENE							10 UG/L		U						
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							50 UG/L		U						
2,4,6-TRICHLOROPHENOL							10 UG/L		U						
2,4-DICHLOROPHENOL							10 UG/L		U						
2,4-DIMETHYLPHENOL							10 UG/L		U						
2,4-DINITROPHENOL							50 UG/L		UJ						
2,4-DINITROTOLUENE							10 UG/L		U						
2,6-DINITROTOLUENE							10 UG/L		U						
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		U						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		U						
2-NITROANILINE							50 UG/L		U						
2-NITROPHENOL							10 UG/L		U						
3,3'-DICHLOROBENZIDINE							20 UG/L		UJ						
3-NITROANILINE							50 UG/L		UJ						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		UJ						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		U						
4-NITROANILINE							50 UG/L		UJ						
4-NITROPHENOL							50 UG/L		U						
ACENAPHTHENE							10 UG/L		U						
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		UJ						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		U						
BENZO(B)FLUORANTHENE							10 UG/L		U						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZOIC ACID							50 UG/L		UJ						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						

000855

SAMPLE NUMBER:	EMGW_SYSGEN_448D			003148			003148			003148			EMGW_SYSGEN_447		
LAB:	NET			IT			IT			IT/MWL			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		R						
DI-N-OCTYL PHTHALATE							10 UG/L		U						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U						
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		U						
NITROBENZENE							10 UG/L		U						
P-CHLOROANILINE							10 UG/L		UJ						
PENTACHLOROPHENOL							50 UG/L		U						
PHENANTHRENE							10 UG/L		UJ						
PHENOL	.005 MG/L		UNV				10 UG/L		U						
PYRENE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				5 UG/L		U						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				5 UG/L		U						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				5 UG/L		U						
1,1-DICHLOROETHANE	1 UG/L		UNV				5 UG/L		U						
1,1-DICHLOROETHENE	1 UG/L		UNV				5 UG/L		U						
1,2-DICHLOROETHANE	1 UG/L		UNV				5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				5 UG/L		U						
1,2-DICHLOROPROPANE	1 UG/L		UNV				5 UG/L		U						
2-BUTANONE	2 UG/L		UNV				10 UG/L		UJ						
2-HEXANONE	2 UG/L		UNV				10 UG/L		UJ						
4-METHYL-2-PENTANONE	2 UG/L		UNV				10 UG/L		UJ						

SAMPLE NUMBER:	EMGW_SYSGEN_448D			003148			003148			003148			EMGW_SYSGEN_447		
LAB:	NET			IT			IT			IT/MWL			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ACETONE	2 UG/L		UNV				13 UG/L		J						
BENZENE	1 UG/L		UNV				5 UG/L		UJ						
BROMODICHLOROMETHANE	1 UG/L		UNV				5 UG/L		U						
BROMOFORM	1 UG/L		UNV				5 UG/L		U						
BROMOMETHANE	1 UG/L		UNV				10 UG/L		UJ						
CARBON DISULFIDE	1 UG/L		UNV				5 UG/L		U						
CARBON TETRACHLORIDE	1 UG/L		UNV				5 UG/L		U						
CHLOROBENZENE	1 UG/L		UNV				5 UG/L		UJ						
CHLOROETHANE	1 UG/L		UNV				10 UG/L		U						
CHLOROFORM	1 UG/L		UNV				5 UG/L		U						
CHLOROMETHANE	1 UG/L		UNV				10 UG/L		U						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				5 UG/L		U						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				5 UG/L		U						
ETHYLBENZENE	1 UG/L		UNV				5 UG/L		UJ						
METHYLENE CHLORIDE	1 UG/L		UNV				22 UG/L		UJ						
STYRENE	1 UG/L		UNV				5 UG/L		UJ						
TETRACHLOROETHENE	1 UG/L		UNV				5 UG/L		U						
TOLUENE	1 UG/L		UNV				5 UG/L		UJ						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				5 UG/L		U						
TRICHLOROETHENE	1 UG/L		UNV				5 UG/L		U						
VINYL ACETATE	2 UG/L		UNV				10 UG/L		U						
VINYL CHLORIDE	1 UG/L		UNV				10 UG/L		U						
XYLENES, TOTAL	1 UG/L		UNV				5 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_447	EMGW_SYSGEN_447	EMGW_SYSGEN_447D	EMGW_SYSGEN_447D	EMGW_SYSGEN_447D
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	NET	IT	NET	NET
WELL OR BORING NUMBER:	2019	2019	2019	2019	2019
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-NOV-90	05-NOV-90	05-NOV-90	05-NOV-90	05-NOV-90
NORTH COORDINATE:	481674.46	481674.46	481674.46	481674.46	481674.46
EAST COORDINATE:	1379093.84	1379093.84	1379093.84	1379093.84	1379093.84
QA TYPE:	NORMAL	NORMAL	DUPLICATE	DUPLICATE	DUPLICATE
QC OF:			EMGW_SYSGEN_447	EMGW_SYSGEN_447	EMGW_SYSGEN_447
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				226 MG/L		NV							231 MG/L		NV
AMMONIA				2.56 MG/L		NV							2.58 MG/L		NV
CHLORIDE				47 MG/L		NV							41 MG/L		NV
FLUORIDE				.29 MG/L		NV							.3 MG/L		NV
NITRATE/NITRITE				.02 MG/L		UNV							.02 MG/L		UNV
PH				7.27 SU		NV							7.3 SU		NV
PHENOLS				.005 MG/L		UNV							.005 MG/L		UNV
PHOSPHORUS				.02 MG/L		UNV							.02 MG/L		NV
SPECIFIC CONDUCTIVITY				920 UMHOS/CM		NV							921 UMHOS/CM		NV
SULFATE				83 MG/L		NV							84 MG/L		NV
TOTAL DISSOLVED SOLIDS				652 MG/L		NV							606 MG/L		NV
TOTAL ORGANIC CARBON				3 MG/L		NV							3 MG/L		NV
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV							.01 MG/L		UNV
INORGANICS															
ALUMINUM	.5 MG/L		UNV	.5 MG/L		UNV				.5 MG/L		UNV	.5 MG/L		UNV
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC	.0025 MG/L		UNV	.0025 MG/L		UNV				.0025 MG/L		UNV	.0025 MG/L		UNV
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV				.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	90.2 MG/L		NV	115 MG/L		NV				87.5 MG/L		NV	102 MG/L		NV
CHROMIUM				.008 MG/L		NV							.005 MG/L		UNV
COBALT	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
COPPER	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
CYANIDE				.005 MG/L		UNV							.005 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_447			EMGW_SYSGEN_447			EMGW_SYSGEN_447D			EMGW_SYSGEN_447D			EMGW_SYSGEN_447D		
LAB:	NET			NET			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	.05 MG/L		UNV	.405 MG/L		NV				.05 MG/L		UNV	.234 MG/L		NV
LEAD	.005 MG/L		UNV	.01 MG/L		NV				.005 MG/L		UNV	.007 MG/L		NV
MAGNESIUM	8 MG/L		NV	16 MG/L		NV				12 MG/L		NV	17 MG/L		NV
MANGANESE	.02 MG/L		UNV	.039 MG/L		NV				.02 MG/L		UNV	.035 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
NICKEL	.005 MG/L		UNV	.006 MG/L		NV				.005 MG/L		UNV	.008 MG/L		NV
POTASSIUM	6.6 MG/L		NV	7.53 MG/L		NV				6.81 MG/L		NV	6.77 MG/L		NV
SELENIUM	.0025 MG/L		UNV	.0025 MG/L		UNV				.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	48.5 MG/L		NV	54 MG/L		NV				51.4 MG/L		NV	50.7 MG/L		NV
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.02 MG/L		NV	.02 MG/L		UNV				.02 MG/L		UNV	.02 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238							8.1 PCI/L		NV						
URANIUM, TOTAL							7.35 UG/L		NV						
URANIUM-234							2.17 PCI/L		NV						
THORIUM-230							.46 PCI/L		UNV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236							.86 PCI/L		UNV						
THORIUM-232							.513 PCI/L		NV						
THORIUM, TOTAL							4.63 UG/L		NV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							.786 PCI/L		NV						
NEPTUNIUM-237							.5 PCI/L		UNV						
PLUTONIUM-239/240							.5 PCI/L		UNV						
PLUTONIUM-238							.5 PCI/L		UNV						
TECHNETIUM-99							2270 PCI/L		NV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							6.5 PCI/L		UNV						
GROSS ALPHA							55.2 PCI/L		NV						
GROSS BETA							970 PCI/L		NV						
SEMIVOLATILES															

SAMPLE NUMBER:	EMGW_SYSGEN_447	EMGW_SYSGEN_447	EMGW_SYSGEN_447D	EMGW_SYSGEN_447D	EMGW_SYSGEN_447D
LAB:	NET	NET	IT	NET	NET
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1,2-TRICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROPROPANE				1 UG/L		UNV							1 UG/L		UNV
2-BUTANONE				2 UG/L		UNV							2 UG/L		UNV
2-HEXANONE				2 UG/L		UNV							2 UG/L		UNV
4-METHYL-2-PENTANONE				2 UG/L		UNV							2 UG/L		UNV
ACETONE				2 UG/L		UNV							2 UG/L		UNV
BENZENE				1 UG/L		UNV							1 UG/L		UNV
BROMODICHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
BROMOFORM				1 UG/L		UNV							1 UG/L		UNV
BROMOMETHANE				1 UG/L		UNV							1 UG/L		UNV
CARBON DISULFIDE				1 UG/L		UNV							1 UG/L		UNV
CARBON TETRACHLORIDE				1 UG/L		UNV							1 UG/L		UNV
CHLOROBENZENE				1 UG/L		UNV							1 UG/L		UNV
CHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
CHLOROFORM				1 UG/L		UNV							1 UG/L		UNV
CHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV							1 UG/L		UNV
DIBROMOCHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
ETHYLBENZENE				1 UG/L		UNV							1 UG/L		UNV
METHYLENE CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
STYRENE				1 UG/L		UNV							1 UG/L		UNV
TETRACHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
TOLUENE				1 UG/L		UNV							1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV							1 UG/L		UNV
TRICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
VINYL ACETATE				2 UG/L		UNV							2 UG/L		UNV
VINYL CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
XYLENES, TOTAL				1 UG/L		UNV							1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_446			EMGW_SYSGEN_446			EMGW_SYSGEN_446			003943			003943		
TASK:	GWMON			GWMON			GWMON			3.2.4			3.2.4		
LAB:	IT			NET			NET			IT			IT		
WELL OR BORING NUMBER:	2019			2019			2019			2019			2019		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	06-AUG-90			06-AUG-90			06-AUG-90			08-MAR-89			08-MAR-89		
NORTH COORDINATE:	481674.46			481674.46			481674.46			481674.46			481674.46		
EAST COORDINATE:	1379093.84			1379093.84			1379093.84			1379093.84			1379093.84		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													3.1 MG/L		J
CHLORIDE							46 MG/L		NV				50 MG/L		J
FLUORIDE							.27 MG/L		NV				.3 MG/L		J
NITRATE							25.7 MG/L		NV				22 MG/L		J
NITRATE, AS NITROGEN							25.7 MG/L		NV						
PHENOLS							.005 MG/L		UNV				.005 MG/L		UJ
PHOSPHORUS													.02 MG/L		J
SULFATE							93 MG/L		NV				79 MG/L		J
TOTAL KJELDAHL NITROGEN													3.4 MG/L		J
TOTAL ORGANIC CARBON							2 MG/L		NV						
TOTAL ORGANIC HALIDES													.05 MG/L		UJ
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.3 MG/L		J
INORGANICS															
ALUMINUM				.5 MG/L		UNV	.5 MG/L		UNV						
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV						
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV	.003 MG/L		UJ			
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV	.053 MG/L		J			
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV	.005 MG/L		UJ			
CALCIUM				55.6 MG/L		NV	77.6 MG/L		NV	140 MG/L		J			
CHROMIUM							.005 MG/L		UNV	.02 MG/L		J			
COBALT				.025 MG/L		UNV	.025 MG/L		UNV						
COPPER				.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		UJ			
IRON				.05 MG/L		UNV	.05 MG/L		UNV	.1 MG/L		J			

SAMPLE NUMBER:	EMGW_SYSGEN_446			EMGW_SYSGEN_446			EMGW_SYSGEN_446			003943			003943		
LAB:	IT			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD				.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		UJ			
MAGNESIUM				18.8 MG/L		NV	20.6 MG/L		NV	28 MG/L		J			
MANGANESE				.02 MG/L		UNV	.02 MG/L		UNV	.006 MG/L		J			
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UJ			
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		J			
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV	.03 MG/L		UJ			
POTASSIUM				8.46 MG/L		NV	8.48 MG/L		NV	4 MG/L		J			
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV	.005 MG/L		UJ			
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		UJ			
SODIUM				62.8 MG/L		NV	68.8 MG/L		NV	25 MG/L		J			
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC				.02 MG/L		UNV	.02 MG/L		UNV						
RADIONUCLIDES															
URANIUM-238	1.12 PCI/L		NV										1 PCI/L		UJ
URANIUM, TOTAL	3.44 UG/L		NV										1 UG/L		U
URANIUM-234	.927 PCI/L		NV										1 PCI/L		UJ
THORIUM-230	.46 PCI/L		UNV										1 PCI/L		U
RADIUM-226	1 PCI/L		UNV										1 PCI/L		U
URANIUM-235/236	.245 PCI/L		NV										1 PCI/L		UJ
THORIUM-232	.46 PCI/L		UNV										1 PCI/L		U
THORIUM, TOTAL	4.1 UG/L		UNV										4 UG/L		U
RADIUM-228	3 PCI/L		UNV										3 PCI/L		UJ
THORIUM-228	.46 PCI/L		UNV										1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		UJ
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_446			EMGW_SYSGEN_446			EMGW_SYSGEN_446			003943			003943		
LAB:	IT			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_444			EMGW_SYSGEN_444			EMGW_SYSGEN_444			EMGW_SYSGEN_451			EMGW_SYSGEN_451		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	IT			NET			NET			NET			NET		
WELL OR BORING NUMBER:	2019			2019			2019			2019			2019		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	09-FEB-90			09-FEB-90			09-FEB-90			15-OCT-91			15-OCT-91		
NORTH COORDINATE:	481674.46			481674.46			481674.46			481674.46			481674.46		
EAST COORDINATE:	1379093.84			1379093.84			1379093.84			1379093.84			1379093.84		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													250 MG/L		NV
AMMONIA													2.11 MG/L		NV
CHLORIDE							48 MG/L		NV				52 MG/L		NV
FLUORIDE							.27 MG/L		NV				.31 MG/L		NV
NITRATE, AS NITROGEN							54.1 MG/L		NV				26.4 MG/L		NV
PH							.005 MG/L		UNV				7.15 SU		NV
PHENOLS							.005 MG/L		UNV				.005 MG/L		UNV
PHOSPHORUS													.21 MG/L		NV
SPECIFIC CONDUCTIVITY													997 UMHOS/CM		NV
SULFATE							73 MG/L		NV				136 MG/L		NV
TOTAL DISSOLVED SOLIDS													612 MG/L		NV
TOTAL ORGANIC CARBON							1 MG/L		UNV				12 MG/L		NV
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV				.01 MG/L		UNV
INORGANICS															
ALUMINUM				.05 MG/L		UNV	.081 MG/L		NV	.2 MG/L		UNV	.2 MG/L		UNV
ANTIMONY										.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM										.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM				170 MG/L		NV	173 MG/L		NV	140 MG/L		UNV	140 MG/L		NV
CHROMIUM							.005 MG/L		UNV				.002 MG/L		UNV
COBALT				.025 MG/L		UNV	.025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
COPPER				.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE													.005 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_444			EMGW_SYSGEN_444			EMGW_SYSGEN_444			EMGW_SYSGEN_451			EMGW_SYSGEN_451		
LAB:	IT			NET			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				.05 MG/L		UNV	.157 MG/L		NV	.1 MG/L		UNV	.168 MG/L		NV
LEAD				.005 MG/L		UNV	.005 MG/L		UNV	.003 MG/L		UNV	.003 MG/L		UNV
MAGNESIUM				29.4 MG/L		NV	29.5 MG/L		NV	25 MG/L		NV	26 MG/L		NV
MANGANESE				.02 MG/L		UNV	.02 MG/L		UNV	.015 MG/L		NV	.025 MG/L		NV
MERCURY										.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM										.01 MG/L		UNV	.001 MG/L		UNV
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM										6.2 MG/L		NV	6.8 MG/L		NV
SELENIUM										.005 MG/L		UNV	.005 MG/L		UNV
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV
SODIUM				46.3 MG/L		NV	49 MG/L		NV	40 MG/L		NV	44 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV
ZINC				.02 MG/L		UNV	.02 MG/L		UNV	.027 MG/L		NV	.02 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	.589 PCI/L		NV												
URANIUM, TOTAL	2.08 UG/L		NV												
URANIUM-234	.693 PCI/L		NV												
THORIUM-230	.26 PCI/L		UNV												
URANIUM-235/236	.232 PCI/L		UNV												
TECHNETIUM-99	6860 PCI/L		NV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_444			EMGW_SYSGEN_444			EMGW_SYSGEN_444			EMGW_SYSGEN_451			EMGW_SYSGEN_451		
LAB:	IT			NET			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE							2 UG/L		UNV				2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
TOLUENE							1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_451	003502	003502	066702	066703
TASK:	GWMON	3.2.4	3.2.4	9.27	9.27
LAB:	WMCO	IT	IT	IT	WMCO
WELL OR BORING NUMBER:	2019	2019	2019	2019	2019
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-OCT-91	17-AUG-88	17-AUG-88	20-NOV-89	20-NOV-89
NORTH COORDINATE:	481674.46	481674.46	481674.46	481674.46	481674.46
EAST COORDINATE:	1379093.84	1379093.84	1379093.84	1379093.84	1379093.84
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	F-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							1.5 MG/L		-						
CHLORIDE							48 MG/L		J						
FLUORIDE							.37 MG/L		-						
NITRATE							23.4 MG/L		J						
PHENOLS							.02 MG/L		J						
PHOSPHORUS							.05 MG/L		U						
SULFATE							58 MG/L		J						
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC NITROGEN							.9 MG/L		-						
INORGANICS															
ALUMINUM													.05 MG/L		UNV
ARSENIC				.4 MG/L		-							.0025 MG/L		UNV
BARIUM				.053 MG/L		-							.2 MG/L		UNV
BERYLLIUM													.01 MG/L		UNV
CADMIUM				.002 MG/L		U									
CALCIUM				143 MG/L		-							150 MG/L		NV
CHROMIUM				.02 MG/L		U							.005 MG/L		UNV
COBALT													.025 MG/L		UNV
COPPER				.01 MG/L		U							.025 MG/L		UNV
IRON				.005 MG/L		U							.05 MG/L		UNV
LEAD				.05 MG/L		U							.005 MG/L		UNV
MAGNESIUM				29.3 MG/L		-							29.2 MG/L		NV
MANGANESE				.04 MG/L		-							.02 MG/L		UNV
MERCURY				.0002 MG/L		UJ									
MOLYBDENUM				.038 MG/L		-									

000867
000867
6417

SAMPLE NUMBER:	EMGW_SYSGEN_451			003502			003502			066702			066703		
LAB:	WMCO			IT			IT			IT			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.02 MG/L		U							.005 MG/L		UNV
POTASSIUM				3.9 MG/L		-									
SELENIUM				.2 MG/L		U									
SILVER				.01 MG/L		U							.001 MG/L		UNV
SODIUM				23.3 MG/L		-							42.5 MG/L		NV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238							1 PCI/L		UJ	1 PCI/L		U			
URANIUM, TOTAL	2.6 UG/L		NV				1 UG/L		U	1.48 UG/L	.16	J			
URANIUM-234							1 PCI/L		UJ	1 PCI/L		U			
THORIUM-230							1 PCI/L		UJ	1 PCI/L		U			
RADIUM-226							1 PCI/L		U						
URANIUM-235/236							1 PCI/L		UJ	1 PCI/L		U			
THORIUM-232							1 PCI/L		UJ						
THORIUM, TOTAL							4 UG/L		UJ						
RADIUM-228							3 PCI/L		U						
THORIUM-228							1 PCI/L		UJ	1 PCI/L		U			
NEPTUNIUM-237							1 PCI/L		UJ						
PLUTONIUM-239/240							1 PCI/L		UJ						
PLUTONIUM-238							1 PCI/L		UJ						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							730 PCI/L	77	-	3010 PCI/L	310	-			
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066703			066537			066567			066567			066567		
TASK:	9.27			9.25			9.25			9.25			9.25		
LAB:	WMCO			IT			IT			IT			UNKNOWN		
WELL OR BORING NUMBER:	2019			2019			2019			2019			2019		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	20-NOV-89			28-AUG-89			28-AUG-89			28-AUG-89			28-AUG-89		
NORTH COORDINATE:	481674.46			481674.46			481674.46			481674.46			481674.46		
EAST COORDINATE:	1379093.84			1379093.84			1379093.84			1379093.84			1379093.84		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,4-DIOXANE										5000 UG/L		U			
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN										.39 NG/L		U			
HEXACHLORODIBENZO-P-DIOXINS										1.2 NG/L		U			
HEXACHLORODIBENZOFURANS										.12 NG/L		U			
PENTACHLORODIBENZO-P-DIOXINS										.29 NG/L		U			
PENTACHLORODIBENZOFURANS										.12 NG/L		U			
TETRACHLORODIBENZO-P-DIOXINS										.18 NG/L		U			
TETRACHLORODIBENZOFURANS										.22 NG/L		U			
GENERAL CHEMISTRY															
CHLORIDE	47 MG/L		NV	51.5 MG/L		J									
FLUORIDE	.31 MG/L		NV	.29 MG/L		J									
NITRATE	71 MG/L		NV	60.6 MG/L		J									
PHENOLS	.013 MG/L		NV												
SULFATE	79 MG/L		NV	54.8 MG/L		J									
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON	2 MG/L		NV	1.62 MG/L		U									
TOTAL ORGANIC HALIDES	.01 MG/L		UNV	.01 MG/L		U									
HERBICIDES															
2,4,5-T										5 UG/L		U			
2,4,5-TP (SILVEX)										.025 UG/L		U			

SAMPLE NUMBER:	066703			066537			066567			066567			066567		
LAB:	WMCO			IT			IT			IT			UNKNOWN		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
HERBICIDES															
2,4-D										.05 UG/L		U			
INORGANICS															
ALUMINUM	.08 MG/L		NV				.16 MG/L		-						
ANTIMONY							.03 MG/L		U						
ARSENIC	.0025 MG/L		UNV				.002 MG/L		U						
BARIUM	.2 MG/L		UNV				.077 MG/L		-						
BERYLLIUM	.01 MG/L		UNV				.0014 MG/L		-						
CADMIUM							.0036 MG/L		-						
CALCIUM	155 MG/L		NV				178 MG/L		-						
CHROMIUM	.005 MG/L		UNV				.03 MG/L		-						
COBALT	.025 MG/L		UNV				.01 MG/L		U						
COPPER	.025 MG/L		UNV				.01 MG/L		U						
CYANIDE										.005 MG/L		U			
IRON	.156 MG/L		NV				.085 MG/L		-						
LEAD	.005 MG/L		UNV				.003 MG/L		-						
MAGNESIUM	30.4 MG/L		NV				31 MG/L		-						
MANGANESE	.02 MG/L		UNV				.0157 MG/L		-						
MERCURY							.0002 MG/L		U						
NICKEL	.005 MG/L		UNV				.02 MG/L		U						
OSMIUM							.05 MG/L		UR						
POTASSIUM							4.8 MG/L		J						
SELENIUM							.002 MG/L		UJ						
SILVER	.001 MG/L		UNV				.0134 MG/L		-						
SODIUM	38.4 MG/L		NV				41.5 MG/L		-						
THALLIUM							.001 MG/L		U						
TIN							.03 MG/L		UR						
VANADIUM	.05 MG/L		UNV				.0238 MG/L		-						
ZINC	.02 MG/L		UNV				.032 MG/L		-						
MISC															
1,2,3-TRICHLOROPROPANE										5 UG/L		U			
1,2,4,5-TETRACHLOROBENZENE										10 UG/L		U			
1,2-DIBROMO-3-CHLOROPROPANE										10 UG/L		U			
1,2-DIBROMOETHANE										5 UG/L		U			
1,3,5-TRINITROBENZENE										10 UG/L		U			
1,3-DINITROBENZENE										10 UG/L		U			
1,4-NAPHTHOQUINONE										10 UG/L		U			
1-NAPHTHYLAMINE										120 UG/L		UJ			
2,3,4,6-TETRACHLOROPHENOL										10 UG/L		U			

SAMPLE NUMBER:	066703			066537			066567			066567			066567		
LAB:	WMCO			IT			IT			IT			UNKNOWN		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
2,6-DICHLOROPHENOL										10 UG/L		U			
2-ACETYLAMINOFLUORENE										10 UG/L		U			
2-CHLORO-1,3-BUTADIENE										5 UG/L		U			
2-NAPHTHYLAMINE										170 UG/L		UJ			
2-PICOLINE										70 UG/L		U			
3,3'-DIMETHYLBENZIDINE										80 UG/L		U			
3-CHLOROPROPENE										5 UG/L		U			
3-METHYLCHOLANTHRENE										30 UG/L		U			
3-METHYLPHENOL										10 UG/L		U			
4-AMINOBIPHENYL										50 UG/L		UJ			
4-NITROQUINOLINE-1-OXIDE										10 UG/L		UJ			
5-NITRO-O-TOLUIDINE										20 UG/L		U			
7,12-DIMETHYLBENZ(A)ANTHRAC ENE										20 UG/L		U			
A,A-DIMETHYLPHENETHYLAMINE										10 UG/L		UJ			
ACETONITRILE										1000 UG/L		U			
ACETOPHENONE										10 UG/L		U			
ACROLEIN										10 UG/L		U			
ACROLEIN										10 UG/L		U			
ACROLEIN										10 UG/L		U			
ACROLEIN										10 UG/L		U			
ACRYLONITRILE										10 UG/L		U			
ANILINE										10 UG/L		U			
ARAMITE										10 UG/L		U			
DIALLATE										10 UG/L		UJ			
DIBROMOMETHANE										10 UG/L		U			
DICHLORODIFLUOROMETHANE										200 UG/L		U			
DINOSEB										20 UG/L		U			
DIPHENYLAMINE										10 UG/L		U			
ETHYL CYANIDE										100 UG/L		U			
ETHYL METHACRYLATE										10 UG/L		U			
ETHYL METHANESULFONATE										10 UG/L		U			
HEXACHLOROPHENE										500 UG/L		UR			
HEXACHLOROPROPENE										20 UG/L		U			
IODOMETHANE										5 UG/L		U			
ISODRIN										.05 UG/L		UR			
ISOSAFROLE										10 UG/L		U			
KEPONE										.1 UG/L		UR			
METHACRYLONITRILE										10 UG/L		U			
METHAPYRILENE										40 UG/L		U			
METHYL METHACRYLATE										10 UG/L		U			
METHYL METHANESULFONATE										10 UG/L		U			

SAMPLE NUMBER:	066703			066537			066567			066567			066567		
LAB:	WMCO			IT			IT			IT			UNKNOWN		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
N-NITROSODI-N-BUTYLAMINE										20 UG/L		U			
N-NITROSODIETHYLAMINE										10 UG/L		U			
N-NITROSOMETHYLETHYLAMINE										10 UG/L		U			
N-NITROSOMORPHOLINE										10 UG/L		U			
N-NITROSOPIPERIDINE										10 UG/L		U			
N-NITROSOPYRROLIDINE										10 UG/L		U			
O-TOLUIDINE										10 UG/L		UJ			
P-DIMETHYLAMINOAZOBENZENE										30 UG/L		U			
P-PHENYLENEDIAMINE										50 UG/L		UJ			
PENTACHLOROBENZENE										20 UG/L		U			
PENTACHLOROETHANE										20 UG/L		U			
PENTACHLORONITROBENZENE										20 UG/L		U			
PHENACETIN										10 UG/L		U			
PRONAMIDE										30 UG/L		U			
SAFROLE										10 UG/L		U			
TRANS-1,4-DICHLORO-2-BUTENE										100 UG/L		U			
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE													500 UG/L		UR
DISULFOTON													500 UG/L		UR
FAMPHUR													500 UG/L		UR
METHYL PARATHION													500 UG/L		UR
PARATHION													1000 UG/L		UR
PHORATE													500 UG/L		UR
THIONAZIN													500 UG/L		UR
PESTICIDES															
4,4'-DDD										.1 UG/L		UR			
4,4'-DDE										.1 UG/L		UR			
4,4'-DDT										.1 UG/L		UR			
ALDRIN										.05 UG/L		UR			
ALPHA-BHC										.05 UG/L		UR			
ALPHA-CHLORDANE										.5 UG/L		UR			
AROCLOR-1016										.5 UG/L		UR			
AROCLOR-1221										.5 UG/L		UR			
AROCLOR-1232										.5 UG/L		UR			
AROCLOR-1242										.5 UG/L		UR			
AROCLOR-1248										.5 UG/L		UR			
AROCLOR-1254										1 UG/L		UR			
AROCLOR-1260										1 UG/L		UR			

SAMPLE NUMBER:	066703			066537			066567			066567			066567		
LAB:	WMCO			IT			IT			IT			UNKNOWN		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
BETA-BHC										.05 UG/L		UR			
DELTA-BHC										.05 UG/L		UR			
DIELDRIN										.1 UG/L		UR			
ENDOSULFAN II										.1 UG/L		UR			
ENDOSULFAN SULFATE										.1 UG/L		UR			
ENDOSULFAN-I										.05 UG/L		UR			
ENDRIN										.1 UG/L		UR			
ENDRIN KETONE										.1 UG/L		UR			
GAMMA-BHC (LINDANE)										.05 UG/L		UR			
GAMMA-CHLORDANE										.5 UG/L		UR			
HEPTACHLOR										.05 UG/L		UR			
HEPTACHLOR EPOXIDE										.05 UG/L		UR			
METHOXYCHLOR										.5 UG/L		UR			
SULFOTEP													500 UG/L		UR
TOXAPHENE										1 UG/L		UR			
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U									
URANIUM, TOTAL				1 UG/L	1	-									
URANIUM-234				1 PCI/L		U									
THORIUM-230				1 PCI/L		U									
URANIUM-235/236				1 PCI/L		U									
THORIUM-228				1 PCI/L		U									
TECHNETIUM-99				2293 PCI/L	236	-									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		U			
1,2-DICHLOROBENZENE										10 UG/L		UR			
1,3-DICHLOROBENZENE										10 UG/L		UR			
1,4-DICHLOROBENZENE										10 UG/L		UR			
2,4,5-TRICHLOROPHENOL										50 UG/L		U			
2,4,6-TRICHLOROPHENOL										10 UG/L		U			
2,4-DICHLOROPHENOL										10 UG/L		U			
2,4-DIMETHYLPHENOL										10 UG/L		U			
2,4-DINITROPHENOL										50 UG/L		U			
2,4-DINITROTOLUENE										10 UG/L		U			
2,6-DINITROTOLUENE										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		UJ			
2-CHLOROPHENOL										10 UG/L		UR			
2-METHYLNAPHTHALENE										10 UG/L		U			

SAMPLE NUMBER:	066703			066537			066567			066567			066567		
LAB:	WMCO			IT			IT			IT			UNKNOWN		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-METHYLPHENOL										10 UG/L		UR			
2-NITROANILINE										50 UG/L		UJ			
2-NITROPHENOL										10 UG/L		U			
3,3'-DICHLOROBENZIDINE										20 UG/L		U			
3-NITROANILINE										50 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL										50 UG/L		U			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLORO-3-METHYLPHENOL										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			
4-NITROANILINE										50 UG/L		U			
4-NITROPHENOL										50 UG/L		U			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		U			
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		U			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			
BENZYL ALCOHOL										10 UG/L		UR			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		UR			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE										4 UG/L		J			
BUTYL BENZYL PHTHALATE										10 UG/L		U			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										10 UG/L		U			
DI-N-OCTYL PHTHALATE										10 UG/L		U			
DIBENZO(A,H)ANTHRACENE										10 UG/L		U			
DIBENZOFURAN										10 UG/L		U			
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		UJ			
HEXACHLOROBENZENE										10 UG/L		U			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		U			
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		U			
ISOPHORONE										10 UG/L		U			

SAMPLE NUMBER:	066703			066537			066567			066567			066567		
LAB:	WMCO			IT			IT			IT			UNKNOWN		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			
N-NITROSODIMETHYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		U			
O,O,O-TRIETHYLPHOSPHOROTHIO ATE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		UJ			
PENTACHLOROPHENOL										50 UG/L		U			
PHENANTHRENE										10 UG/L		U			
PHENOL	.013 MG/L		NV							10 UG/L		UR			
PYRENE										10 UG/L		U			
PYRIDINE										5000 UG/L		U			
VOLATILES															
1,1,1,2-TETRACHLOROETHANE										5 UG/L		U			
1,1,1-TRICHLOROETHANE										5 UG/L		UR			
1,1,2,2-TETRACHLOROETHANE										5 UG/L		UR			
1,1,2-TRICHLOROETHANE										5 UG/L		UR			
1,1-DICHLOROETHANE	2.5 UG/L		UNV							5 UG/L		UR			
1,1-DICHLOROETHENE										5 UG/L		UR			
1,2-DICHLOROETHANE	2.5 UG/L		UNV							5 UG/L		UR			
1,2-DICHLOROETHENE (TOTAL)										5 UG/L		UR			
1,2-DICHLOROPROPANE										5 UG/L		UR			
2-BUTANONE										2 UG/L		R			
2-HEXANONE										10 UG/L		UR			
4-METHYL-2-PENTANONE										10 UG/L		UR			
ACETONE	2.5 UG/L		UNV							2 UG/L		J			
BENZENE										5 UG/L		UR			
BROMODICHLOROMETHANE										5 UG/L		UR			
BROMOFORM										5 UG/L		UR			
BROMOMETHANE										10 UG/L		UR			
CARBON DISULFIDE										5 UG/L		UR			
CARBON TETRACHLORIDE										5 UG/L		UR			
CHLOROBENZENE										5 UG/L		UR			
CHLOROETHANE										10 UG/L		UR			
CHLOROFORM										5 UG/L		UR			
CHLOROMETHANE										10 UG/L		UR			
CIS-1,3-DICHLOROPROPENE										5 UG/L		UR			
DIBROMOCHLOROMETHANE										5 UG/L		UR			
ETHYLBENZENE										5 UG/L		UR			

SAMPLE NUMBER:	066703			066537			066567			066567			066567		
LAB:	WMCO			IT			IT			IT			UNKNOWN		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ISOBUTYL ALCOHOL										3000 UG/L		U			
METHYLENE CHLORIDE	2.5 UG/L		UNV							4 UG/L		R			
STYRENE										5 UG/L		UR			
TETRACHLOROETHENE	2.5 UG/L		UNV							5 UG/L		UR			
TOLUENE	2.5 UG/L		UNV							3 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		UR			
TRICHLOROETHENE	2.5 UG/L		UNV							5 UG/L		UR			
TRICHLOROFLUOROMETHANE										66 UG/L		-			
VINYL ACETATE										10 UG/L		UR			
VINYL CHLORIDE										10 UG/L		UR			
XYLENES, TOTAL										5 UG/L		UR			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066445	066445	066445	003747	003747
TASK:	9.25	9.25	9.25	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2019	2019	2019	2019	2019
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JUN-89	28-JUN-89	28-JUN-89	30-NOV-88	30-NOV-88
NORTH COORDINATE:	481674.46	481674.46	481674.46	481674.46	481674.46
EAST COORDINATE:	1379093.84	1379093.84	1379093.84	1379093.84	1379093.84
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	R-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													3.49 MG/L		-
CHLORIDE				41.2 MG/L		-							50 MG/L		-
FLUORIDE				.28 MG/L		-							.24 MG/L		-
NITRATE				28.4 MG/L		J							24.6 MG/L		J
PHENOLS													.01 MG/L		U
PHOSPHORUS													.032 MG/L		-
SULFATE				85.6 MG/L		-							88.5 MG/L		J
TOTAL KJELDAHL NITROGEN													.1 MG/L		U
TOTAL ORGANIC CARBON				19.3 MG/L		-									
TOTAL ORGANIC HALIDES				.013 MG/L		-							.05 MG/L		U
INORGANICS															
ALUMINUM	.1405 MG/L		-												
ARSENIC										.002 MG/L		U			
BARIUM	.0679 MG/L		-							.055 MG/L		-			
BERYLLIUM	.001 MG/L		U												
CADMIUM										.002 MG/L		U			
CALCIUM	164 MG/L		-							138 MG/L		-			
CHROMIUM	.0404 MG/L		-							.02 MG/L		U			
COBALT	.01 MG/L		U												
COPPER	.01 MG/L		U							.01 MG/L		U			
IRON	.0556 MG/L		-							.041 MG/L		-			
LEAD	.0033 MG/L		-							.002 MG/L		UJ			
MAGNESIUM	30.5 MG/L		-							28.6 MG/L		-			
MANGANESE										.004 MG/L		-			
MERCURY										.0002 MG/L		UJ			

SAMPLE NUMBER:	066445			066445			066445			003747			003747		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			R-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM										.02 MG/L		UJ			
NICKEL	.02 MG/L		U							.02 MG/L		U			
POTASSIUM										3.6 MG/L		J			
SELENIUM										.002 MG/L		UJ			
SILVER	.0205 MG/L		-							.0005 MG/L		UJ			
SODIUM										23.1 MG/L		-			
VANADIUM	.0283 MG/L		-												
ZINC	.0613 MG/L		-												
RADIONUCLIDES															
URANIUM-238				1 PCI/L		UJ							1 PCI/L		UJ
URANIUM, TOTAL				1 UG/L		U							1 UG/L		UJ
URANIUM-234				1 PCI/L		UJ							1 PCI/L		UJ
THORIUM-230				1 PCI/L		UJ							1 PCI/L		U
RADIUM-226													1 PCI/L		U
URANIUM-235/236				1 PCI/L		UJ							1 PCI/L		UJ
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													6 UG/L		U
RADIUM-228													3 PCI/L		UJ
THORIUM-228				1 PCI/L		UJ							1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		UJ
PLUTONIUM-239/240													1 PCI/L		UJ
PLUTONIUM-238													1 PCI/L		UJ
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99				2524 PCI/L	262	J							789 PCI/L	89	-
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
VOLATILES															
1,1-DICHLOROETHANE				5 UG/L		UNV	5 UG/L		U						
ACETONE				2 UG/L		NV	12 UG/L		U						
METHYLENE CHLORIDE				9 UG/L		NV	9 UG/L		U						
TETRACHLOROETHENE				5 UG/L		UNV	5 UG/L		U						
TOLUENE				5 UG/L		UNV	5 UG/L		UJ						
TRICHLOROETHENE				5 UG/L		UNV	5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004055	120040	120040	120040	120040
TASK:	3.2.4	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	2019	2020	2020	2020	2020
DEPTH:	-	-	-	-	-
DATE COLLECTED:	31-MAR-89	03-JUN-93	03-JUN-93	03-JUN-93	03-JUN-93
NORTH COORDINATE:	481674.46	479168.75	479168.75	479168.75	479168.75
EAST COORDINATE:	1379093.84	1379519.37	1379519.37	1379519.37	1379519.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		UJ												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.5 UG/L		U												
AROCLOR-1016	.5 UG/L		U												
AROCLOR-1221	.5 UG/L		U												
AROCLOR-1232	.5 UG/L		U												
AROCLOR-1242	.5 UG/L		U												
AROCLOR-1248	.5 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.5 UG/L		U												
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	1 UG/L		U												

SAMPLE NUMBER:	004055			120040			120040			120040			120040		
LAB:	IT			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238				.5 PCI/L	.2	J	1.7 PCI/L	.4	-						
URANIUM, TOTAL				.6 UG/L	.1	-	5.1 UG/L	.4	-	.6 UG/L	.1	R	.6 UG/L		NV
URANIUM-234				.5 PCI/L	.2	UJ	1.3 PCI/L	.4	-						
THORIUM-230				.2 PCI/L	.2	UJ	.2 PCI/L	.3	U						
RADIUM-226				1 PCI/L	.3	UJ	1 PCI/L	.3	U						
URANIUM-235/236				.2 PCI/L	.3	UJ	.2 PCI/L	.3	U						
THORIUM-232				.2 PCI/L	.2	UJ	.2 PCI/L	.2	U						
RADIUM-228				3 PCI/L	1.3	U	5.1 PCI/L	1.7	-						
THORIUM-228				.2 PCI/L	.2	UJ	.2 PCI/L	.2	U						
GROSS ALPHA				3.8 PCI/L	2.3	UNV	7.6 PCI/L	2.5	NV						
GROSS BETA				8.5 PCI/L	3.1	NV	29.5 PCI/L	2.8	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120040	120040	003039	003039	003075
TASK:	50.03.23	50.03.23	9.8	9.8	3.2.4
LAB:	NET	NET	WMCO	WMCO	IT
WELL OR BORING NUMBER:	2020	2020	2020	2020	2020
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-JUN-93	03-JUN-93	04-DEC-87	04-DEC-87	05-APR-88
NORTH COORDINATE:	479168.75	479168.75	479168.75	479168.75	479168.75
EAST COORDINATE:	1379519.37	1379519.37	1379519.37	1379519.37	1379519.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				216 MG/L		-									
AMMONIA				.04 MG/L		-									
BICARBONATE ALKALINITY				281 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHEMICAL OXYGEN DEMAND										10 MG/L		UNV			
CHLORIDE				21 MG/L		-				22 MG/L		NV			
FLUORIDE				.17 MG/L		-				.22 MG/L		NV			
HEXAVALENT CHROMIUM										.005 MG/L		UNV			
NITRATE				2.52 MG/L		J				2.84 MG/L		NV			
NITRATE/NITRITE				2.52 MG/L		J									
PH				7.63 SU		-				.005 MG/L		UNV			
PHENOLS				.01 MG/L		UJ				.005 MG/L		UNV			
PHOSPHORUS				.1 MG/L		U				.02 MG/L		UNV			
SPECIFIC CONDUCTIVITY				585 UMHOS/CM		-									
SULFATE				77 MG/L		-				64 MG/L		NV			
TOTAL DISSOLVED SOLIDS	378 MG/L		-				376 MG/L		NV						
TOTAL KJELDAHL NITROGEN				.1 MG/L		UJ									
TOTAL ORGANIC CARBON				1 MG/L		J				1 MG/L		UNV			
TOTAL ORGANIC HALIDES										.022 MG/L		NV			
TOTAL ORGANIC HALOGENS				.01 MG/L		UJ									
TOTAL ORGANIC NITROGEN				.1 MG/L		UJ									
TOTAL SOLIDS				412 MG/L		-									
HERBICIDES															
2,4,5-TP (SILVEX)										500 UG/L		UNV			
2,4-D										1000 UG/L		UNV			

SAMPLE NUMBER:	120040			120040			003039			003039			003075		
LAB:	NET			NET			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	.02 MG/L		U	.0605 MG/L		U							.04 MG/L		U
ANTIMONY	.045 MG/L		U	.045 MG/L		U							.03 MG/L		U
ARSENIC	.002 MG/L		U	.0034 MG/L		U	.0025 MG/L		UNV				.003 MG/L		U
BARIUM	.0392 MG/L		-	.0402 MG/L		-	.2 MG/L		UNV				.041 MG/L		-
BERYLLIUM	.001 MG/L		U	.001 MG/L		U							.001 MG/L		U
CADMIUM	.003 MG/L		U	.003 MG/L		U	.001 MG/L		UNV				.005 MG/L		U
CALCIUM	82.7 MG/L		-	83.3 MG/L		-	83.5 MG/L		NV				64 MG/L		-
CHROMIUM	.005 MG/L		U	.005 MG/L		U	.005 MG/L		UNV				.01 MG/L		U
COBALT	.008 MG/L		U	.008 MG/L		U							.02 MG/L		U
COPPER	.0103 MG/L		U	.0129 MG/L		U	.025 MG/L		UNV				.023 MG/L		U
CYANIDE	.01 MG/L		UJ	.01 MG/L		UJ				.006 MG/L		NV			
IRON	.0226 MG/L		U	.16 MG/L		-	.05 MG/L		UNV				.028 MG/L		-
LEAD	.001 MG/L		U	.0018 MG/L		UJ	.005 MG/L		UNV				.003 MG/L		U
MAGNESIUM	20 MG/L		-	20.5 MG/L		-	19.4 MG/L		NV				21.8 MG/L		-
MANGANESE	.0155 MG/L		-	.0398 MG/L		-	.027 MG/L		NV				.005 MG/L		-
MERCURY	.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		UNV				.0002 MG/L		U
MOLYBDENUM													.01 MG/L		U
NICKEL	.02 MG/L		U	.02 MG/L		U	.005 MG/L		UNV				.02 MG/L		U
POTASSIUM	2.52 MG/L		-	2.88 MG/L		-	2.52 MG/L		NV				1 MG/L		U
SELENIUM	.001 MG/L		UJ	.0014 MG/L		UJ	.005 MG/L		UNV				.002 MG/L		U
SILVER	.007 MG/L		UJ	.007 MG/L		U	.03 MG/L		UNV				.005 MG/L		U
SODIUM	11.9 MG/L		-	12 MG/L		-	15.3 MG/L		NV				14.5 MG/L		-
THALLIUM	.002 MG/L		U	.002 MG/L		U							.003 MG/L		U
VANADIUM	.003 MG/L		U	.003 MG/L		U							.01 MG/L		U
ZINC	.0163 MG/L		U	.0345 MG/L		U	.02 MG/L		UNV				.05 MG/L		U
MISC															
ALACHLOR										2000 UG/L		UNV			
ATRAZINE										1000 UG/L		UNV			
CARBOFURAN										1000000 NG/L		UNV			
CYANAZINE										1000 UG/L		UNV			
FONOFOS										1000 UG/L		UNV			
LINURON										1000 UG/L		UNV			
METOLACHLOR										1000 UG/L		UNV			
METRIBUZIN										1000 UG/L		UNV			
ORGANOPHOSPHORUS PESTICIDES															
PHOSPHORODITHIOIC ACID, O,O-DIETHYL-S-(((1,1-DIMETHYL										1000 UG/L		UNV			

SAMPLE NUMBER:	120040			120040			003039			003039			003075		
LAB:	NET			NET			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDRIN										200 UG/L		UNV			
GAMMA-BHC (LINDANE)										200 UG/L		UNV			
METHOXYCHLOR										200 UG/L		UNV			
TOXAPHENE										500 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		UJ									
BENZENE				10 UG/L		UJ									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		UJ									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		UJ									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		UJ									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		UJ									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003075			EMGW_SYSGEN_456			EMGW_SYSGEN_456			003671			003671		
TASK:	3.2.4			GWMON			GWMON			3.2.4			3.2.4		
LAB:	IT			IT			NET			IT			IT		
WELL OR BORING NUMBER:	2020			2020			2020			2020			2020		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-APR-88			06-DEC-90			06-DEC-90			08-NOV-88			08-NOV-88		
NORTH COORDINATE:	479168.75			479168.75			479168.75			479168.75			479168.75		
EAST COORDINATE:	1379519.37			1379519.37			1379519.37			1379519.37			1379519.37		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							220 MG/L		NV						
AMMONIA	.1 MG/L		U				.02 MG/L		UNV				.1 MG/L		U
CHLORIDE	22 MG/L		-				23 MG/L		NV				22 MG/L		-
FLUORIDE	.6 MG/L		-				.2 MG/L		NV				.1 MG/L		U
NITRATE	5 MG/L		UR				1.8 MG/L		NV				.31 MG/L		-
NITRATE/NITRITE							1.8 MG/L		NV						
PH	10 UG/L		U				7.24 SU		NV				.01 MG/L		U
PHENOLS	.01 MG/L		U				.012 MG/L		NV				.01 MG/L		U
PHOSPHATE	.01 MG/L		-												
PHOSPHORUS							.02 MG/L		UNV				.02 MG/L		U
SPECIFIC CONDUCTIVITY							555 UMHOS/CM		NV						
SULFATE	64 MG/L		-				52 MG/L		NV				103 MG/L		-
TOTAL DISSOLVED SOLIDS							394 MG/L		NV						
TOTAL KJELDAHL NITROGEN													.24 MG/L		-
TOTAL ORGANIC CARBON							4 MG/L		NV						
TOTAL ORGANIC HALIDES													.05 MG/L		U
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN	1.2 MG/L		-										.24 MG/L		-
INORGANICS															
ARSENIC										.002 MG/L		U			
BARIUM										.04 MG/L		-			
CADMIUM										.003 MG/L		-			
CALCIUM										84.2 MG/L		-			
CHROMIUM										.02 MG/L		U			
COPPER										.01 MG/L		U			

SAMPLE NUMBER:	003075			EMGW_SYSGEN_456			EMGW_SYSGEN_456			003671			003671		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE	.02 MG/L		U				.005 MG/L		UNV						
IRON										.1 MG/L		-			
LEAD										.002 MG/L		U			
MAGNESIUM										20.3 MG/L		-			
MANGANESE										.04 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										3.19 MG/L		-			
SELENIUM										.002 MG/L		U			
SILVER										.1 MG/L		U			
SODIUM										11.8 MG/L		-			
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.5 UG/L		U												
AROCLOR-1016	.5 UG/L		U												
AROCLOR-1221	.5 UG/L		U												
AROCLOR-1232	.5 UG/L		U												
AROCLOR-1242	.5 UG/L		U												
AROCLOR-1248	.5 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.5 UG/L		U												

SAMPLE NUMBER:	003075			EMGW_SYSGEN_456			EMGW_SYSGEN_456			003671			003671		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	1 UG/L		U												
RADIONUCLIDES															
URANIUM-238	1.6 PCI/L	.6	J	.528 PCI/L		NV							1 PCI/L		UJ
URANIUM, TOTAL	3 UG/L	1	R	1.22 UG/L		NV							1 UG/L		U
URANIUM-234	2.1 PCI/L	.7	J	.679 PCI/L		NV							1 PCI/L		UJ
THORIUM-230	1 PCI/L		UJ	1.38 PCI/L		NV							1 PCI/L		UJ
RADIUM-226	1 PCI/L		U	1 PCI/L		UNV							1 PCI/L		U
URANIUM-235/236	1 PCI/L		UJ	.2 PCI/L		UNV							1 PCI/L		UJ
THORIUM-232	1 PCI/L		UJ	.3 PCI/L		UNV							1 PCI/L		UJ
THORIUM, TOTAL				2.7 UG/L		UNV							3 UG/L		UJ
RADIUM-228	3 PCI/L		U	3 PCI/L		UNV							3 PCI/L		U
THORIUM-228	1 PCI/L		UJ	.733 PCI/L		NV							1 PCI/L		UJ
NEPTUNIUM-237	1 PCI/L		UJ										1 PCI/L		UJ
PLUTONIUM-239/240	1 PCI/L		UJ										1 PCI/L		UJ
PLUTONIUM-238	1 PCI/L		UJ										1 PCI/L		UJ
STRONTIUM-90	5 PCI/L		UJ										5 PCI/L		U
TECHNETIUM-99	30 PCI/L		NV										30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R										150 PCI/L		R
CESIUM-137	20 PCI/L		R										20 PCI/L		R
GROSS ALPHA				5.51 PCI/L		NV									
GROSS BETA				10 PCI/L		NV									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	50 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	50 UG/L		U												
2,4-DINITROTOLUENE	10 UG/L		U												
2,6-DINITROTOLUENE	10 UG/L		U												
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
2-CHLORONAPHTHALENE	10 UG/L		U												

SAMPLE NUMBER:	003075			EMGW_SYSGEN_456			EMGW_SYSGEN_456			003671			003671		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												
2-NITROANILINE	50 UG/L		U												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	20 UG/L		U												
3-NITROANILINE	50 UG/L		U												
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		U												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	50 UG/L		U												
4-NITROPHENOL	50 UG/L		U												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		U												
BENZOIC ACID	50 UG/L		U												
BENZYL ALCOHOL	10 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		U												
DI-N-OCTYL PHTHALATE	10 UG/L		U												
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		U												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		U												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U												

000897

SAMPLE NUMBER:	003075			EMGW_SYSGEN_456			EMGW_SYSGEN_456			003671			003671		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	21 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		U												
PENTACHLOROPHENOL	50 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U				.012 MG/L		NV				.01 MG/L		U
PYRENE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U				1 UG/L		UNV						
1,1,2-TRICHLOROETHANE	5 UG/L		U				1 UG/L		UNV						
1,1-DICHLOROETHANE	5 UG/L		U				1 UG/L		UNV						
1,1-DICHLOROETHENE	5 UG/L		U				1 UG/L		UNV						
1,2-DICHLOROETHANE	5 UG/L		U				1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U				1 UG/L		UNV						
1,2-DICHLOROPROPANE	5 UG/L		U				1 UG/L		UNV						
2-BUTANONE	10 UG/L		U				2 UG/L		UNV						
2-HEXANONE	10 UG/L		U				2 UG/L		UNV						
4-METHYL-2-PENTANONE	10 UG/L		U				2 UG/L		UNV						
ACETONE	10 UG/L		U				16 UG/L		NV						
BENZENE	5 UG/L		U				1 UG/L		UNV						
BROMODICHLOROMETHANE	5 UG/L		U				1 UG/L		UNV						
BROMOFORM	5 UG/L		U				1 UG/L		UNV						
BROMOMETHANE	10 UG/L		U				1 UG/L		UNV						
CARBON DISULFIDE	5 UG/L		U				1 UG/L		UNV						
CARBON TETRACHLORIDE	5 UG/L		U				1 UG/L		UNV						
CHLOROBENZENE	5 UG/L		U				1 UG/L		UNV						
CHLOROETHANE	10 UG/L		U				1 UG/L		UNV						
CHLOROFORM	5 UG/L		U				1 UG/L		UNV						
CHLOROMETHANE	10 UG/L		U				1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	5 UG/L		U				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	5 UG/L		U				1 UG/L		UNV						
ETHYLBENZENE	5 UG/L		U				1 UG/L		UNV						
METHYLENE CHLORIDE	5 UG/L		U				1 UG/L		UNV						
STYRENE	5 UG/L		U				1 UG/L		UNV						

SAMPLE NUMBER:	003075			EMGW_SYSGEN_456			EMGW_SYSGEN_456			003671			003671		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TETRACHLOROETHENE	5 UG/L		U				1 UG/L		UNV						
TOLUENE	5 UG/L		U				1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U				1 UG/L		UNV						
TRICHLOROETHENE	5 UG/L		U				1 UG/L		UNV						
VINYL ACETATE	10 UG/L		U				2 UG/L		UNV						
VINYL CHLORIDE	10 UG/L		U				1 UG/L		UNV						
XYLENES, TOTAL	5 UG/L		U				1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_455	004216	004216	003867	003867
TASK:	GWMON	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	NET	IT	IT	IT	IT
WELL OR BORING NUMBER:	2020	2020	2020	2020	2020
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-OCT-90	18-APR-90	18-APR-90	25-JAN-89	25-JAN-89
NORTH COORDINATE:	479168.75	479168.75	479168.75	479168.75	479168.75
EAST COORDINATE:	1379519.37	1379519.37	1379519.37	1379519.37	1379519.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	194 MG/L		NV												
AMMONIA	.02 MG/L		UNV				.1 MG/L		-				.1 MG/L		U
CHLORIDE	21 MG/L		NV				9.53 MG/L		-				20 MG/L		-
FLUORIDE	.17 MG/L		NV				.09 MG/L		-				.09 MG/L		-
NITRATE	1.61 MG/L		NV				1 MG/L		R				.65 MG/L		-
NITRATE/NITRITE	1.61 MG/L		NV												
PH	7.39 SU		NV				.022 MG/L		-				.08 MG/L		-
PHENOLS	.005 MG/L		UNV				.022 MG/L		-				.08 MG/L		-
PHOSPHORUS	.19 MG/L		NV				.9 MG/L		J				.57 MG/L		-
SPECIFIC CONDUCTIVITY	565 UMHOS/CM		NV												
SULFATE	61 MG/L		NV				66.3 MG/L		-				46.5 MG/L		-
SULFIDE							.5 MG/L		U						
TOTAL DISSOLVED SOLIDS	400 MG/L		NV												
TOTAL KJELDAHL NITROGEN													.142 MG/L		-
TOTAL ORGANIC CARBON	2 MG/L		NV				2 MG/L		J						
TOTAL ORGANIC HALIDES							.05 MG/L		UJ				.01 MG/L		U
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.1 MG/L		J				.142 MG/L		-
INORGANICS															
ALUMINUM				.067 MG/L		-									
ARSENIC				.002 MG/L		U				.002 MG/L		U			
BARIUM				.04 MG/L		-				.041 MG/L		-			
CADMIUM				.002 MG/L		-				.004 MG/L		-			
CALCIUM				75.9 MG/L		-				84.3 MG/L		-			
CHROMIUM				.01 MG/L		U				.02 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_455			004216			004216			003867			003867		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER				.085 MG/L		-				.011 MG/L		-			
CYANIDE	.005 MG/L		UNV												
IRON				.101 MG/L		-				.059 MG/L		U			
LEAD				.002 MG/L		U				.002 MG/L		U			
MAGNESIUM				24.4 MG/L		-				20.3 MG/L		-			
MANGANESE				.035 MG/L		-				.018 MG/L		-			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.01 MG/L		U				.02 MG/L		U			
NICKEL				.022 MG/L		-				.02 MG/L		U			
POTASSIUM				2.8 MG/L		-				2.87 MG/L		-			
SELENIUM				.003 MG/L		UJ				.002 MG/L		U			
SILICON				2.2 MG/L		-									
SILVER				.01 MG/L		U				.0005 MG/L		U			
SODIUM				12.3 MG/L		-				11.4 MG/L		-			
VANADIUM				.01 MG/L		U									
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1.12 PCI/L	.31	-				1 PCI/L		U
URANIUM, TOTAL							3.34 UG/L	.96	-				1 UG/L		U
URANIUM-234							1.41 PCI/L	.35	-				1 PCI/L		U
THORIUM-230							1.04 PCI/L	.32	-				1 PCI/L		U
RADIUM-226							1 PCI/L		R				1 PCI/L		R
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-232							1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL							5.16 UG/L	2.16	-				2 UG/L		U
RADIUM-228							3 PCI/L		UJ				3 PCI/L		R
THORIUM-228							1.18 PCI/L	.34	-				1 PCI/L		UJ
NEPTUNIUM-237							1 PCI/L		UJ				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		U				1 PCI/L		U
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		UJ				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R
SEMIVOLATILES															

SAMPLE NUMBER:	EMGW_SYSGEN_455			004216			004216			003867			003867		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004027			003431			003431			003753			003753		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2020			2020			2020			2021			2021		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-JAN-89			27-JUL-88			27-JUL-88			01-DEC-88			01-DEC-88		
NORTH COORDINATE:	479168.75			479168.75			479168.75			481567.9			481567.9		
EAST COORDINATE:	1379519.37			1379519.37			1379519.37			1378913.4			1378913.4		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		UJ				9.89 MG/L		-
CHLORIDE							21 MG/L		J				54.1 MG/L		-
FLUORIDE							.79 MG/L		R				.23 MG/L		-
NITRATE							2.8 MG/L		J				.1 MG/L		UJ
PHENOLS							.05 MG/L		U				.01 MG/L		U
PHOSPHORUS							.01 MG/L		R				.021 MG/L		-
SULFATE							61 MG/L		R				293 MG/L		-
TOTAL KJELDAHL NITROGEN													2.65 MG/L		-
TOTAL ORGANIC HALIDES													.05 MG/L		U
TOTAL ORGANIC NITROGEN							.1 MG/L		UJ						
INORGANICS															
ARSENIC				.01 MG/L		UJ				.002 MG/L		R			
BARIUM				.2 MG/L		U				.073 MG/L		-			
CADMIUM				.005 MG/L		U				.002 MG/L		U			
CALCIUM				87 MG/L		J				277 MG/L		-			
CHROMIUM				.01 MG/L		U				.02 MG/L		U			
COPPER				.025 MG/L		U				.01 MG/L		U			
IRON				.1 MG/L		U				2.51 MG/L		-			
LEAD				.2 MG/L		U				.002 MG/L		R			
MAGNESIUM				23 MG/L		-				78.7 MG/L		-			
MANGANESE				.03 MG/L		-				.42 MG/L		-			
MERCURY				.0007 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.05 MG/L		U				.044 MG/L		-			
NICKEL				.04 MG/L		U				.02 MG/L		U			
POTASSIUM				5 MG/L		U				14.4 MG/L		-			

SAMPLE NUMBER:	004027			003431			003431			003753			003753		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.005 MG/L		U				.002 MG/L		R			
SILVER				.01 MG/L		UJ				.0005 MG/L		U			
SODIUM				13 MG/L		-				59.4 MG/L		-			
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL	2.5 UG/L		U												
DEMETON	.25 UG/L		U												
DIAZINON	.25 UG/L		U												
DISULFOTON	.25 UG/L		U												
ETHION	.25 UG/L		U												
MALATHION	.25 UG/L		U												
METHYL PARATHION	.25 UG/L		U												
PARATHION	.25 UG/L		U												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U				1 PCI/L		UJ
URANIUM, TOTAL							1 UG/L		U				3 UG/L	1	-
URANIUM-234							1.1 PCI/L	.4	-				1 PCI/L		UJ
THORIUM-230							1.8 PCI/L	.6	-				1 PCI/L		UJ
RADIUM-226							1 PCI/L		U				1 PCI/L		U
URANIUM-235/236							1 PCI/L		U				1 PCI/L		UJ
THORIUM-232							1 PCI/L		U				1 PCI/L		UJ
THORIUM, TOTAL							5 UG/L	3	-				3 UG/L		UJ
RADIUM-228							3 PCI/L		U				3 PCI/L		U
THORIUM-228							1.2 PCI/L	.5	-				1 PCI/L		UJ
NEPTUNIUM-237							1 PCI/L		U				1 PCI/L		UJ
PLUTONIUM-239/240							1 PCI/L		R				1 PCI/L		UJ
PLUTONIUM-238							1 PCI/L		R				1 PCI/L		UJ
STRONTIUM-90							5 PCI/L		U				38.5 PCI/L	4.5	-
TECHNETIUM-99							30 PCI/L		U				3841 PCI/L	394	-
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_460	EMGW_SYSGEN_460	EMGW_SYSGEN_460	003167	003167
TASK:	GWMON	GWMON	GWMON	3.2.4	3.2.4
LAB:	IT	NET	NET	IT	IT
WELL OR BORING NUMBER:	2021	2021	2021	2021	2021
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-MAY-90	02-MAY-90	02-MAY-90	09-MAY-88	09-MAY-88
NORTH COORDINATE:	481567.9	481567.9	481567.9	481567.9	481567.9
EAST COORDINATE:	1378913.4	1378913.4	1378913.4	1378913.4	1378913.4
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
HEPTACHLORODIBENZO-P-DIOXINS													.97 NG/L		U
HEPTACHLORODIBENZOFURANS													1.2 NG/L		U
HEXACHLORODIBENZO-P-DIOXINS													.63 NG/L		U
HEXACHLORODIBENZOFURANS													.51 NG/L		U
OCTACHLORODIBENZO-P-DIOXIN													6.4 NG/L		U
OCTACHLORODIBENZOFURAN													3.4 NG/L		U
PENTACHLORODIBENZO-P-DIOXINS													.58 NG/L		U
PENTACHLORODIBENZOFURANS													.67 NG/L		U
TETRACHLORODIBENZO-P-DIOXINS													.57 NG/L		U
TETRACHLORODIBENZOFURANS													.5 NG/L		U
GENERAL CHEMISTRY															
AMMONIA													.1 MG/L		UJ
CHLORIDE							46 MG/L		NV				42.4 MG/L		-
FLUORIDE							.36 MG/L		NV				.35 MG/L		-
NITRATE							20.3 MG/L		NV				9.2 MG/L		-
NITRATE, AS NITROGEN							20.3 MG/L		NV						
PHENOLS							.005 MG/L		UNV				.01 MG/L		-
PHOSPHORUS													.05 MG/L		U
SULFATE							84 MG/L		NV				111 MG/L		-
TOTAL ORGANIC CARBON							3 MG/L		NV						
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													3.6 MG/L		

SAMPLE NUMBER:	EMGW_SYSGEN_460			EMGW_SYSGEN_460			EMGW_SYSGEN_460			003167			003167		
LAB:	IT			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM				.05 MG/L		UNV	.08 MG/L		NV	.0121 MG/L		-			
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV	.0467 MG/L		U			
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV	.0047 MG/L		-			
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV	.067 MG/L		-			
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.0024 MG/L		U			
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV	.0007 MG/L		U			
CALCIUM				116 MG/L		NV	122 MG/L		NV	138 MG/L		-			
CHROMIUM							.005 MG/L		UNV	.0017 MG/L		U			
COBALT				.025 MG/L		UNV	.025 MG/L		UNV	.0052 MG/L		U			
COPPER				.025 MG/L		UNV	.025 MG/L		UNV	.0697 MG/L		-			
CYANIDE							.005 MG/L		UNV				.01 MG/L		UNV
IRON				.05 MG/L		UNV	.155 MG/L		NV	.0254 MG/L		-			
LEAD				.005 MG/L		UNV	.005 MG/L		UNV	.0021 MG/L		U			
MAGNESIUM				19.4 MG/L		NV	21.6 MG/L		NV	31.3 MG/L		-			
MANGANESE				.02 MG/L		UNV	.02 MG/L		UNV	.0114 MG/L		-			
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV	.0333 MG/L		U			
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV	.0123 MG/L		U			
POTASSIUM				6.77 MG/L		NV	7 MG/L		NV	15.3 MG/L		-			
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV	.0018 MG/L		-			
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.0043 MG/L		U			
SODIUM				42.3 MG/L		NV	39.3 MG/L		NV	46.8 MG/L		-			
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.0041 MG/L		UJ			
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV	.0034 MG/L		U			
ZINC				.02 MG/L		UNV	.02 MG/L		UNV	.0581 MG/L		-			
MISC															
3-METHYLPHENOL							4 UG/L		UNV						
DIPHENYLAMINE							15 UG/L		UNV						
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL													5 UG/L		UJ
DEMETON													1 UG/L		UJ
DIAZINON													.5 UG/L		UJ
DISULFOTON													.5 UG/L		UJ
ETHION													.5 UG/L		UJ
MALATHION													1 UG/L		UJ
METHYL PARATHION													1 UG/L		UJ
PARATHION													.5 UG/L		UJ

SAMPLE NUMBER:	EMGW_SYSGEN_460			EMGW_SYSGEN_460			EMGW_SYSGEN_460			003167			003167		
LAB:	IT			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDD							.2 UG/L		UNV				.1 UG/L		UJ
4,4'-DDE							.2 UG/L		UNV				.1 UG/L		UJ
4,4'-DDT							.2 UG/L		UNV				.1 UG/L		UJ
ALDRIN							.2 UG/L		UNV				.05 UG/L		UJ
ALPHA-BHC							.2 UG/L		UNV				.05 UG/L		UJ
ALPHA-CHLORDANE													1 UG/L		UJ
AROCLOR-1016							.2 UG/L		UNV				.5 UG/L		UJ
AROCLOR-1221							.2 UG/L		UNV				.5 UG/L		UJ
AROCLOR-1232							.2 UG/L		UNV				.5 UG/L		UJ
AROCLOR-1242							.2 UG/L		UNV				.5 UG/L		UJ
AROCLOR-1248							.2 UG/L		UNV				.5 UG/L		UJ
AROCLOR-1254							.2 UG/L		UNV				1 UG/L		UJ
AROCLOR-1260							.2 UG/L		UNV				1 UG/L		UJ
BETA-BHC							.2 UG/L		UNV				.05 UG/L		UJ
CHLORDANE							.2 UG/L		UNV						
DELTA-BHC							.2 UG/L		UNV				.05 UG/L		UJ
DIELDRIN							.2 UG/L		UNV				.1 UG/L		UJ
ENDOSULFAN II							.2 UG/L		UNV				.1 UG/L		UJ
ENDOSULFAN SULFATE							.2 UG/L		UNV				.5 UG/L		UJ
ENDOSULFAN-I							.2 UG/L		UNV				.05 UG/L		UJ
ENDRIN							.08 UG/L		UNV				.1 UG/L		UJ
ENDRIN ALDEHYDE							.2 UG/L		UNV						
ENDRIN KETONE													.5 UG/L		UJ
GAMMA-BHC (LINDANE)							.2 UG/L		UNV				.05 UG/L		UJ
GAMMA-CHLORDANE													.5 UG/L		UJ
HEPTACHLOR							.2 UG/L		UNV				.05 UG/L		UJ
HEPTACHLOR EPOXIDE							.2 UG/L		UNV				.05 UG/L		UJ
METHOXYCHLOR													.5 UG/L		UJ
TOXAPHENE							.5 UG/L		UNV				.5 UG/L		UJ
RADIONUCLIDES															
URANIUM-238	3.34 PCI/L		NV										24.8 PCI/L	3.8	-
URANIUM, TOTAL	9.99 UG/L		NV										78 UG/L	14	-
URANIUM-234	1.51 PCI/L		NV										7.7 PCI/L	1.5	-
THORIUM-230	.46 PCI/L		UNV										1 PCI/L		U
RADIUM-226	1 PCI/L		UNV										1 PCI/L		U
URANIUM-235/236	.2 PCI/L		UNV										1 PCI/L		U
THORIUM-232	.46 PCI/L		UNV										1 PCI/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_460			EMGW_SYSGEN_460			EMGW_SYSGEN_460			003167			003167		
LAB:	IT			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM, TOTAL	4.2 UG/L		UNV												
RADIUM-228	3 PCI/L		UNV										3 PCI/L		R
THORIUM-228	.46 PCI/L		UNV										1 PCI/L		U
NEPTUNIUM-237	.5 PCI/L		UNV										1 PCI/L		U
PLUTONIUM-239/240	.5 PCI/L		UNV										1 PCI/L		U
PLUTONIUM-238	.5 PCI/L		UNV										1 PCI/L		U
STRONTIUM-90	20.9 PCI/L		NV										18.4 PCI/L	2.3	-
TECHNETIUM-99	1590 PCI/L		NV										30 PCI/L		U
RUTHENIUM-106	150 PCI/L		UNV										150 PCI/L		R
CESIUM-137	12 PCI/L		UNV										20 PCI/L		R
GROSS ALPHA	14.5 PCI/L		NV												
GROSS BETA	983 PCI/L		NV												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							4 UG/L		UNV				10 UG/L		UJ
1,2-DICHLOROBENZENE													10 UG/L		UJ
1,3-DICHLOROBENZENE							4 UG/L		UNV				10 UG/L		UJ
1,4-DICHLOROBENZENE							4 UG/L		UNV				10 UG/L		UJ
2,4,5-TRICHLOROPHENOL							4 UG/L		UNV				50 UG/L		UJ
2,4,6-TRICHLOROPHENOL							4 UG/L		UNV				10 UG/L		UJ
2,4-DICHLOROPHENOL							4 UG/L		UNV				10 UG/L		UJ
2,4-DIMETHYLPHENOL							4 UG/L		UNV				10 UG/L		UJ
2,4-DINITROPHENOL							4 UG/L		UNV				50 UG/L		UJ
2,4-DINITROTOLUENE							15 UG/L		UNV				10 UG/L		UJ
2,6-DINITROTOLUENE							15 UG/L		UNV				10 UG/L		UJ
2-CHLORONAPHTHALENE							4 UG/L		UNV				10 UG/L		UJ
2-CHLOROPHENOL							4 UG/L		UNV				10 UG/L		UJ
2-METHYLNAPHTHALENE													10 UG/L		UJ
2-METHYLPHENOL							4 UG/L		UNV				10 UG/L		UJ
2-NITROANILINE							15 UG/L		UNV				50 UG/L		UJ
2-NITROPHENOL							4 UG/L		UNV				10 UG/L		UJ
3,3'-DICHLOROBENZIDINE							15 UG/L		UNV				20 UG/L		UJ
3-NITROANILINE							15 UG/L		UNV				50 UG/L		UJ
4,6-DINITRO-2-METHYLPHENOL							4 UG/L		UNV				50 UG/L		UJ
4-BROMOPHENYL PHENYL ETHER							15 UG/L		UNV				10 UG/L		UJ
4-CHLORO-3-METHYLPHENOL							4 UG/L		UNV				10 UG/L		UJ
4-CHLOROPHENYLPHENYL ETHER							15 UG/L		UNV				10 UG/L		UJ
4-METHYLPHENOL													10 UG/L		UJ
4-NITROANILINE							15 UG/L		UNV				50 UG/L		UJ
4-NITROPHENOL							4 UG/L		UNV				3 UG/L		J
ACENAPHTHENE													10 UG/L		UJ

SAMPLE NUMBER:	EMGW_SYSGEN_460			EMGW_SYSGEN_460			EMGW_SYSGEN_460			003167			003167		
LAB:	IT			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ACENAPHTHYLENE							4 UG/L		UNV				10 UG/L		UJ
ANTHRACENE							4 UG/L		UNV				10 UG/L		UJ
BENZO(A)ANTHRACENE							4 UG/L		UNV				10 UG/L		UJ
BENZO(A)PYRENE							4 UG/L		UNV				10 UG/L		UJ
BENZO(B)FLUORANTHENE							4 UG/L		UNV				10 UG/L		UJ
BENZO(G,H,I)PERYLENE							4 UG/L		UNV				10 UG/L		UJ
BENZO(K)FLUORANTHENE							4 UG/L		UNV				10 UG/L		UJ
BENZOIC ACID							4 UG/L		UNV				50 UG/L		UJ
BENZYL ALCOHOL							40 UG/L		UNV				10 UG/L		UJ
BIS(2-CHLOROETHOXY)METHANE							15 UG/L		UNV				10 UG/L		UJ
BIS(2-CHLOROETHYL)ETHER							15 UG/L		UNV				10 UG/L		UJ
BIS(2-CHLOROISOPROPYL) ETHER							15 UG/L		UNV				10 UG/L		UJ
BIS(2-ETHYLHEXYL)PHTHALATE							4 UG/L		UNV				10 UG/L		UJ
BUTYL BENZYL PHTHALATE							4 UG/L		UNV				10 UG/L		UJ
CHRYSENE							4 UG/L		UNV				10 UG/L		UJ
DI-N-BUTYL PHTHALATE							4 UG/L		UNV				10 UG/L		UJ
DI-N-OCTYL PHTHALATE													10 UG/L		UJ
DIBENZO(A,H)ANTHRACENE							4 UG/L		UNV				10 UG/L		UJ
DIBENZOFURAN							4 UG/L		UNV				10 UG/L		UJ
DIETHYL PHTHALATE							4 UG/L		UNV				1 UG/L		J
DIMETHYL PHTHALATE							4 UG/L		UNV				10 UG/L		UJ
FLUORANTHENE							4 UG/L		UNV				10 UG/L		UJ
FLUORENE							4 UG/L		UNV				10 UG/L		UJ
HEXACHLOROBENZENE							4 UG/L		UNV				10 UG/L		UJ
HEXACHLOROBUTADIENE							4 UG/L		UNV				10 UG/L		UJ
HEXACHLOROCYCLOPENTADIENE							4 UG/L		UNV				10 UG/L		UJ
HEXACHLOROETHANE							4 UG/L		UNV				10 UG/L		UJ
INDENO(1,2,3-CD)PYRENE							4 UG/L		UNV				10 UG/L		UJ
ISOPHORONE							4 UG/L		UNV				10 UG/L		UJ
N-NITROSO-DI-N-PROPYLAMINE							4 UG/L		UNV				10 UG/L		UJ
N-NITROSODIPHENYLAMINE							4 UG/L		UNV				10 UG/L		UJ
NAPHTHALENE							4 UG/L		UNV				10 UG/L		UJ
NITROBENZENE							4 UG/L		UNV				10 UG/L		UJ
P-CHLOROANILINE							4 UG/L		UNV				10 UG/L		UJ
PENTACHLOROPHENOL							4 UG/L		UNV				50 UG/L		UJ
PHENANTHRENE							4 UG/L		UNV				10 UG/L		UJ
PHENOL							4 UG/L		UNV				10 UG/L		UJ
PYRENE							4 UG/L		UNV				10 UG/L		UJ
PYRIDINE							4 UG/L		UNV						

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VOLATILES

1,1,1-TRICHLOROETHANE 1 UG/L UNV 5 UG/L UJ

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_460	EMGW_SYSGEN_460	EMGW_SYSGEN_460	003167	003167
LAB:	IT	NET	NET	IT	IT
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV				5 UG/L		UJ
1,1,2-TRICHLOROETHANE							1 UG/L		UNV				5 UG/L		UJ
1,1-DICHLOROETHANE							1 UG/L		UNV				5 UG/L		UJ
1,1-DICHLOROETHENE							1 UG/L		UNV				5 UG/L		UJ
1,2-DICHLOROETHANE							1 UG/L		UNV				5 UG/L		UJ
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV				5 UG/L		UJ
1,2-DICHLOROPROPANE							1 UG/L		UNV				5 UG/L		UJ
2-BUTANONE							2 UG/L		UNV				10 UG/L		UJ
2-HEXANONE							2 UG/L		UNV				10 UG/L		UJ
4-METHYL-2-PENTANONE							2 UG/L		UNV				10 UG/L		UJ
ACETONE							2 UG/L		UNV				10 UG/L		UJ
BENZENE							1 UG/L		UNV				5 UG/L		UJ
BROMODICHLOROMETHANE							1 UG/L		UNV				5 UG/L		UJ
BROMOFORM							1 UG/L		UNV				5 UG/L		UJ
BROMOMETHANE							1 UG/L		UNV				10 UG/L		UJ
CARBON DISULFIDE							1 UG/L		UNV				5 UG/L		UJ
CARBON TETRACHLORIDE							1 UG/L		UNV				5 UG/L		UJ
CHLOROBENZENE							1 UG/L		UNV				5 UG/L		UJ
CHLOROETHANE													10 UG/L		UJ
CHLOROFORM							1 UG/L		UNV				5 UG/L		UJ
CHLOROMETHANE							1 UG/L		UNV				10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV				5 UG/L		UJ
DIBROMOCHLOROMETHANE							1 UG/L		UNV				5 UG/L		UJ
ETHYLBENZENE							1 UG/L		UNV				5 UG/L		UJ
METHYLENE CHLORIDE							1 UG/L		UNV				5 UG/L		UJ
STYRENE							1 UG/L		UNV				5 UG/L		UJ
TETRACHLOROETHENE							1 UG/L		UNV				5 UG/L		UJ
TOLUENE							1 UG/L		UNV				5 UG/L		UJ
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV				5 UG/L		UJ
TRICHLOROETHENE							1 UG/L		UNV				5 UG/L		UJ
VINYL ACETATE							2 UG/L		UNV				10 UG/L		UJ
VINYL CHLORIDE							1 UG/L		UNV				10 UG/L		UJ
XYLENES, TOTAL							1 UG/L		UNV				5 UG/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_462	EMGW_SYSGEN_462	EMGW_SYSGEN_462	004042	004042
TASK:	GWMON	GWMON	GWMON	3.2.4	3.2.4
LAB:	IT	NET	NET	IT	IT
WELL OR BORING NUMBER:	2021	2021	2021	2021	2021
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-NOV-90	09-NOV-90	09-NOV-90	10-MAR-89	10-MAR-89
NORTH COORDINATE:	481567.9	481567.9	481567.9	481567.9	481567.9
EAST COORDINATE:	1378913.4	1378913.4	1378913.4	1378913.4	1378913.4
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							238 MG/L		NV						
AMMONIA							3.15 MG/L		NV				3.1 MG/L		J
CHLORIDE							41 MG/L		NV				49 MG/L		J
FLUORIDE							.34 MG/L		NV				.2 MG/L		J
NITRATE							8.9 MG/L		NV				53 MG/L		J
NITRATE/NITRITE							8.9 MG/L		NV						
PH							7.86 SU		NV				.005 MG/L		UJ
PHENOLS							.005 MG/L		UNV				.005 MG/L		UJ
PHOSPHORUS							.02 MG/L		UNV				.03 MG/L		J
SPECIFIC CONDUCTIVITY							789 UMHOS/CM		NV						
SULFATE							80 MG/L		NV				82 MG/L		J
TOTAL DISSOLVED SOLIDS							518 MG/L		NV						
TOTAL KJELDAHL NITROGEN													4.5 MG/L		J
TOTAL ORGANIC CARBON							1 MG/L		NV						
TOTAL ORGANIC HALIDES													.05 MG/L		UJ
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													1.4 MG/L		J
INORGANICS															
ALUMINUM				.5 MG/L		UNV	.5 MG/L		UNV						
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV						
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV	.003 MG/L		UJ			
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV	.071 MG/L		J			
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV	.005 MG/L		UJ			
CALCIUM				41.2 MG/L		NV	43.3 MG/L		NV	180 MG/L		J			

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SAMPLE NUMBER:	EMGW_SYSGEN_462			EMGW_SYSGEN_462			EMGW_SYSGEN_462			004042			004042		
LAB:	IT			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM							.005 MG/L		UNV	.02 MG/L		J			
COBALT				.025 MG/L		UNV	.025 MG/L		UNV						
COPPER				.025 MG/L		UNV	.038 MG/L		NV	.01 MG/L		UJ			
CYANIDE							.005 MG/L		UNV						
IRON				.05 MG/L		UNV	.264 MG/L		NV	.09 MG/L		J			
LEAD				.005 MG/L		UNV	.026 MG/L		NV	.002 MG/L		UJ			
MAGNESIUM				13.4 MG/L		NV	15.8 MG/L		NV	24 MG/L		J			
MANGANESE				.027 MG/L		NV	.054 MG/L		NV	.005 MG/L		UJ			
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UJ			
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		UJ			
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV	.03 MG/L		UJ			
POTASSIUM				6.33 MG/L		NV	6.65 MG/L		NV	8.7 MG/L		J			
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV	.002 MG/L		UJ			
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		UJ			
SODIUM				19.4 MG/L		NV	19.3 MG/L		NV	44 MG/L		J			
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC				.026 MG/L		NV	.036 MG/L		NV						
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	5.77 PCI/L		NV										1.1 PCI/L	.3	-
URANIUM, TOTAL	14.8 UG/L		NV										2 UG/L	1	-
URANIUM-234	2.37 PCI/L		NV										1 PCI/L		U
THORIUM-230	.45 PCI/L		UNV										1 PCI/L		U
RADIUM-226	1 PCI/L		UNV										1 PCI/L		U
URANIUM-235/236	.36 PCI/L		UNV										1 PCI/L		U
THORIUM-232	.45 PCI/L		UNV										1 PCI/L		U
THORIUM, TOTAL	4 UG/L		UNV										6 UG/L		U
RADIUM-228	3 PCI/L		UNV										3 PCI/L		UJ
THORIUM-228	.865 PCI/L		NV										1 PCI/L		U
NEPTUNIUM-237	.5 PCI/L		UNV										1 PCI/L		U
PLUTONIUM-239/240	.5 PCI/L		UNV										1 PCI/L		U
PLUTONIUM-238	.5 PCI/L		UNV										1 PCI/L		U
STRONTIUM-90													32.3 PCI/L	3.9	-
TECHNETIUM-99	579 PCI/L		NV										2432 PCI/L	253	J
RUTHENIUM-106	150 PCI/L		UNV										150 PCI/L		R
CESIUM-137	5.4 PCI/L		UNV										20 PCI/L		R

SAMPLE NUMBER:	EMGW_SYSGEN_462			EMGW_SYSGEN_462			EMGW_SYSGEN_462			004042			004042		
LAB:	IT			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
GROSS ALPHA	135 PCI/L		NV												
GROSS BETA	457 PCI/L		NV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1.1 UG/L		NV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						

000503

6417

SAMPLE NUMBER:	EMGW_SYSGEN_462			EMGW_SYSGEN_462			EMGW_SYSGEN_462			004042			004042		
LAB:	IT			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930510-5	GW930510-5	EMGW_SYSGEN_459	EMGW_SYSGEN_459	EMGW_SYSGEN_459
TASK:	50.03.23	50.03.23	GWMON	GWMON	GWMON
LAB:	FERMCO	LOCKHEED	IT	NET	NET
WELL OR BORING NUMBER:	2021	2021	2021	2021	2021
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-MAY-93	10-MAY-93	12-FEB-90	12-FEB-90	12-FEB-90
NORTH COORDINATE:	481567.9	481567.9	481567.9	481567.9	481567.9
EAST COORDINATE:	1378913.4	1378913.4	1378913.4	1378913.4	1378913.4
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE													47 MG/L		NV
FLUORIDE													.26 MG/L		NV
NITRATE, AS NITROGEN													24.4 MG/L		NV
PHENOLS													.005 MG/L		UNV
SULFATE													67 MG/L		NV
TOTAL ORGANIC CARBON													1 MG/L		UNV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
INORGANICS															
ALUMINUM										.05 MG/L		UNV	.055 MG/L		NV
ARSENIC										.0025 MG/L		UNV	.0025 MG/L		UNV
BARIUM										.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM										.01 MG/L		UNV	.01 MG/L		UNV
CALCIUM										130 MG/L		NV	137 MG/L		NV
CHROMIUM													.008 MG/L		NV
COBALT										.025 MG/L		UNV	.025 MG/L		UNV
COPPER										.025 MG/L		UNV	.025 MG/L		UNV
IRON										.05 MG/L		UNV	.079 MG/L		NV
LEAD										.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM										21.6 MG/L		NV	21.7 MG/L		NV
MANGANESE										.02 MG/L		UNV	.02 MG/L		UNV
NICKEL										.005 MG/L		UNV	.005 MG/L		UNV
SILVER										.001 MG/L		UNV	.001 MG/L		UNV
SODIUM										48.2 MG/L		NV	49.3 MG/L		NV
VANADIUM										.05 MG/L		UNV	.05 MG/L		UNV
ZINC										.02 MG/L		UNV	.02 MG/L		UNV

000305

6417

SAMPLE NUMBER:	GW930510-5			GW930510-5			EMGW_SYSGEN_459			EMGW_SYSGEN_459			EMGW_SYSGEN_459		
LAB:	FERMCO			LOCKHEED			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
POTASSIUM-40	55 PCI/L		NV												
RADIONUCLIDES															
URANIUM-238							.648 PCI/L		NV						
URANIUM, TOTAL							3.16 UG/L		NV						
URANIUM-234							1.07 PCI/L		NV						
THORIUM-230							.277 PCI/L		UNV						
URANIUM-235/236							.2 PCI/L		UNV						
TECHNETIUM-99							5080 PCI/L		NV						
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		UJ									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U							1 UG/L		UNV
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U							1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		UJ									
4-METHYL-2-PENTANONE				10 UG/L		UJ									
ACETONE				10 UG/L		UJ							2 UG/L		UNV
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U							1 UG/L		UNV
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U							1 UG/L		UNV
TOLUENE				10 UG/L		U							1 UG/L		UNV

SAMPLE NUMBER:	GW930510-5			GW930510-5			EMGW_SYSGEN_459			EMGW_SYSGEN_459			EMGW_SYSGEN_459		
LAB:	FERMCO			LOCKHEED			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U							1 UG/L		UNV
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_461			EMGW_SYSGEN_461			EMGW_SYSGEN_461			EMGW_SYSGEN_466			EMGW_SYSGEN_466		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	IT			NET			NET			NET			NET		
WELL OR BORING NUMBER:	2021			2021			2021			2021			2021		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-AUG-90			16-AUG-90			16-AUG-90			16-OCT-91			16-OCT-91		
NORTH COORDINATE:	481567.9			481567.9			481567.9			481567.9			481567.9		
EAST COORDINATE:	1378913.4			1378913.4			1378913.4			1378913.4			1378913.4		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													235 MG/L		NV
AMMONIA													2.3 MG/L		NV
CHLORIDE							40 MG/L		NV				50 MG/L		NV
FLUORIDE							.3 MG/L		NV				.32 MG/L		NV
NITRATE, AS NITROGEN							10.2 MG/L		NV				27 MG/L		NV
PH							.005 MG/L		UNV				7.24 SU		NV
PHENOLS							.005 MG/L		UNV				.005 MG/L		UNV
PHOSPHORUS													.1 MG/L		UNV
SPECIFIC CONDUCTIVITY													978 UMHOS/CM		NV
SULFATE							86 MG/L		NV				97 MG/L		NV
TOTAL DISSOLVED SOLIDS													616 MG/L		NV
TOTAL ORGANIC CARBON							2 MG/L		NV				12 MG/L		NV
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV				.01 MG/L		UNV
INORGANICS															
ALUMINUM				.5 MG/L		UNV	.5 MG/L		UNV	.2 MG/L		UNV	.31 MG/L		NV
ANTIMONY				.025 MG/L		UNV	.06 MG/L		NV	.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM				81.6 MG/L		NV	86.4 MG/L		NV	120 MG/L		NV	120 MG/L		NV
CHROMIUM							.005 MG/L		UNV				.002 MG/L		UNV
COBALT				.025 MG/L		UNV	.025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
COPPER				.025 MG/L		UNV	.039 MG/L		NV	.02 MG/L		UNV	.176 MG/L		NV
CYANIDE													.005 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_461			EMGW_SYSGEN_461			EMGW_SYSGEN_461			EMGW_SYSGEN_466			EMGW_SYSGEN_466		
LAB:	IT			NET			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				.05 MG/L		UNV	.676 MG/L		NV	.1 MG/L		UNV	.53 MG/L		NV
LEAD				.005 MG/L		UNV	.022 MG/L		NV	.003 MG/L		UNV	.0415 MG/L		NV
MAGNESIUM				15.2 MG/L		NV	21.2 MG/L		NV	25 MG/L		NV	25 MG/L		NV
MANGANESE				.02 MG/L		UNV	.02 MG/L		UNV	.016 MG/L		NV	.023 MG/L		NV
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM				10 MG/L		NV	8.72 MG/L		NV	6.7 MG/L		NV	6.5 MG/L		NV
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV
SODIUM				35.2 MG/L		NV	35.7 MG/L		NV	46 MG/L		NV	46 MG/L		NV
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV
ZINC				.02 MG/L		UNV	.032 MG/L		NV	.02 MG/L		UNV	.063 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	5.18 PCI/L		NV												
URANIUM, TOTAL	15.8 UG/L		NV												
URANIUM-234	2.56 PCI/L		NV												
THORIUM-230	.474 PCI/L		NV												
RADIUM-226	1 PCI/L		UNV												
URANIUM-235/236	.33 PCI/L		UNV												
THORIUM-232	.37 PCI/L		UNV												
THORIUM, TOTAL	3.4 UG/L		UNV												
RADIUM-228	3 PCI/L		UNV												
THORIUM-228	.446 PCI/L		NV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_461			EMGW_SYSGEN_461			EMGW_SYSGEN_461			EMGW_SYSGEN_466			EMGW_SYSGEN_466		
LAB:	IT			NET			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROPROPANE							1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE							2 UG/L		UNV				2 UG/L		UNV
2-HEXANONE							2 UG/L		UNV				2 UG/L		UNV
4-METHYL-2-PENTANONE							2 UG/L		UNV				2 UG/L		UNV
ACETONE							2 UG/L		UNV				2 UG/L		UNV
BENZENE							1 UG/L		UNV				1 UG/L		UNV
BROMODICHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
BROMOFORM							1 UG/L		UNV				1 UG/L		UNV
BROMOMETHANE							1 UG/L		UNV				1 UG/L		UNV
CARBON DISULFIDE							1 UG/L		UNV				1 UG/L		UNV
CARBON TETRACHLORIDE							1 UG/L		UNV				1 UG/L		UNV
CHLOROBENZENE							1 UG/L		UNV				1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM							1 UG/L		UNV				1 UG/L		UNV
CHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
DIBROMOCHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
ETHYLBENZENE							1 UG/L		UNV				1 UG/L		UNV
METHYLENE CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
STYRENE							1 UG/L		UNV				1 UG/L		UNV
TETRACHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
TOLUENE							1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
TRICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE							2 UG/L		UNV				2 UG/L		UNV
VINYL CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
XYLENES, TOTAL							1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_466			066502			066502			003506			003506		
TASK:	GWMON			9.25			9.25			3.2.4			3.2.4		
LAB:	WMCO			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2021			2021			2021			2021			2021		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-OCT-91			17-AUG-89			17-AUG-89			18-AUG-88			18-AUG-88		
NORTH COORDINATE:	481567.9			481567.9			481567.9			481567.9			481567.9		
EAST COORDINATE:	1378913.4			1378913.4			1378913.4			1378913.4			1378913.4		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													4.83 MG/L		J
CHLORIDE							75.5 MG/L		-				47 MG/L		J
FLUORIDE							.24 MG/L		-				.34 MG/L		J
NITRATE							23.5 MG/L		-				.28 MG/L		R
PHENOLS													.1 MG/L		UJ
PHOSPHORUS													.05 MG/L		UJ
SULFATE							90.8 MG/L		-				52 MG/L		-
TOTAL ORGANIC CARBON							1 MG/L		U						
TOTAL ORGANIC HALIDES							.01 MG/L		U				.05 MG/L		U
INORGANICS															
ALUMINUM				.173 MG/L		U									
ARSENIC										.2 MG/L		U			
BARIUM				.067 MG/L		-				.07 MG/L		-			
BERYLLIUM				.002 MG/L		U									
CADMIUM										.002 MG/L		U			
CALCIUM				156 MG/L		-				160 MG/L		-			
CHROMIUM				.033 MG/L		U				.02 MG/L		U			
COBALT				.01 MG/L		U									
COPPER				.01 MG/L		U				.01 MG/L		U			
IRON				.065 MG/L		U				.008 MG/L		U			
LEAD				.002 MG/L		-				.05 MG/L		U			
MAGNESIUM				24.2 MG/L		-				28.6 MG/L		-			
MANGANESE										.003 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			

SAMPLE NUMBER	EMGW_SYSGEN_466			066502			066502			003506			003506		
LAB:	WMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.02 MG/L		U				.02 MG/L		U			
POTASSIUM										7.9 MG/L		-			
SELENIUM										.2 MG/L		U			
SILVER				.013 MG/L		-				.01 MG/L		U			
SODIUM										47.8 MG/L		-			
VANADIUM				.023 MG/L		-									
ZINC				.017 MG/L		U									
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U				1 PCI/L		UJ
URANIUM, TOTAL	3 UG/L		NV				2 UG/L	1	-				1 UG/L	1	J
URANIUM-234							1 PCI/L		U				1.4 PCI/L	.3	J
THORIUM-230							1 PCI/L		U				1 PCI/L		UJ
RADIUM-226													1 PCI/L		R
URANIUM-235/236							1 PCI/L		U				1 PCI/L		UJ
THORIUM-232													1 PCI/L		UJ
THORIUM, TOTAL													4 UG/L		UJ
RADIUM-228													3 PCI/L		UJ
THORIUM-228							1 PCI/L		U				1 PCI/L		UJ
NEPTUNIUM-237													1 PCI/L		UJ
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													20.2 PCI/L	2.7	J
TECHNETIUM-99							2853 PCI/L	294	-				5510 PCI/L	556	-
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
VOLATILES															
1,1-DICHLOROETHANE							5 UG/L		U						
ACETONE							12 UG/L		U						
METHYLENE CHLORIDE							22 UG/L		U						
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							5 UG/L		U						
TRICHLOROETHENE							5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_463			EMGW_SYSGEN_463			EMGW_SYSGEN_463			066444			066444		
TASK:	GWMON			GWMON			GWMON			9.25			9.25		
LAB:	IT			NET			NET			IT			IT		
WELL OR BORING NUMBER:	2021			2021			2021			2021			2021		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	20-FEB-91			20-FEB-91			20-FEB-91			27-JUN-89			27-JUN-89		
NORTH COORDINATE:	481567.9			481567.9			481567.9			481567.9			481567.9		
EAST COORDINATE:	1378913.4			1378913.4			1378913.4			1378913.4			1378913.4		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							253 MG/L		NV						
AMMONIA							2.17 MG/L		NV						
CHLORIDE							1 MG/L		UNV				66.6 MG/L		J
FLUORIDE							.41 MG/L		NV				.24 MG/L		J
NITRATE							11.2 MG/L		NV				38.6 MG/L		J
NITRATE, AS NITROGEN							11.2 MG/L		NV						
PH							7.22 SU		NV						
PHENOLS							.005 MG/L		UNV						
PHOSPHORUS							.08 MG/L		NV						
SPECIFIC CONDUCTIVITY							826 UMHOS/CM		NV						
SULFATE							105 MG/L		NV				89.1 MG/L		J
TOTAL DISSOLVED SOLIDS							462 MG/L		NV						
TOTAL ORGANIC CARBON							4 MG/L		NV				2.839 MG/L		UJ
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.5 MG/L		UNV	.5 MG/L		UNV	.128 MG/L		J			
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV						
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV						
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV	.425 MG/L		J			
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.001 MG/L		UJ			
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV						
CALCIUM				77.3 MG/L		NV	95.4 MG/L		NV	149 MG/L		J			
CHROMIUM							.005 MG/L		UNV	.0368 MG/L		J			
COBALT				.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		UJ			

SAMPLE NUMBER:	EMGW_SYSGEN_463			EMGW_SYSGEN_463			EMGW_SYSGEN_463			066444			066444		
LAB:	IT			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER				.025 MG/L		UNV	.029 MG/L		NV	.01 MG/L		UJ			
CYANIDE							.01 MG/L		UNV						
IRON				.05 MG/L		UNV	.18 MG/L		NV	14.8 MG/L		J			
LEAD				.005 MG/L		UNV	.005 MG/L		UNV	.0024 MG/L		J			
MAGNESIUM				20.2 MG/L		NV	21.5 MG/L		NV	51.1 MG/L		J			
MANGANESE				.02 MG/L		UNV	.02 MG/L		UNV						
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV						
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV	.0233 MG/L		J			
POTASSIUM				8.11 MG/L		NV	7.57 MG/L		NV						
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.0186 MG/L		J			
SODIUM				27.6 MG/L		NV	31.5 MG/L		NV						
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV	.0234 MG/L		J			
ZINC				.029 MG/L		NV	.029 MG/L		NV	.0637 MG/L		J			
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	3.7 PCI/L		NV										1 PCI/L		U
URANIUM, TOTAL	7.82 UG/L		NV										2 UG/L	1	-
URANIUM-234	1.58 PCI/L		NV										1 PCI/L		U
THORIUM-230	.35 PCI/L		UNV										1 PCI/L		U
RADIUM-226	1 PCI/L		UNV												
URANIUM-235/236	.2 PCI/L		UNV										1 PCI/L		U
THORIUM-232	.35 PCI/L		UNV												
THORIUM, TOTAL	3.2 UG/L		UNV												
RADIUM-228	3 PCI/L		UNV												
THORIUM-228	.35 PCI/L		UNV										1 PCI/L		U
NEPTUNIUM-237	.5 PCI/L		UNV												
PLUTONIUM-239/240	.5 PCI/L		UNV												
PLUTONIUM-238	.5 PCI/L		UNV												
TECHNETIUM-99	745 PCI/L		NV										4135 PCI/L	424	-
RUTHENIUM-106	150 PCI/L		UNV												
CESIUM-137	7.4 PCI/L		UNV												
GROSS ALPHA	10.1 PCI/L		NV												
GROSS BETA	491 PCI/L		NV												

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_463			EMGW_SYSGEN_463			EMGW_SYSGEN_463			066444			066444		
LAB:	IT			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1.9 UG/L		NV				5 UG/L		U
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV				10 UG/L		U
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV				7 UG/L		U
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV				5 UG/L		U
TOLUENE							1 UG/L		UNV				5 UG/L		UJ
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV				5 UG/L		U
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

000315

6417

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066706	066707	066707	EMGW_SYSGEN_465	EMGW_SYSGEN_465
TASK:	9.27	9.27	9.27	GWMON	GWMON
LAB:	IT	WMCO	WMCO	NET	NET
WELL OR BORING NUMBER:	2021	2021	2021	2021	2021
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-NOV-89	28-NOV-89	28-NOV-89	29-JUL-91	29-JUL-91
NORTH COORDINATE:	481567.9	481567.9	481567.9	481567.9	481567.9
EAST COORDINATE:	1378913.4	1378913.4	1378913.4	1378913.4	1378913.4
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	F-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													235 MG/L		NV
AMMONIA													2.15 MG/L		NV
CHLORIDE							63 MG/L		NV				36 MG/L		NV
FLUORIDE							.24 MG/L		NV				.41 MG/L		NV
NITRATE							33.6 MG/L		NV				7.41 MG/L		NV
NITRATE, AS NITROGEN													7.41 MG/L		NV
PH							.017 MG/L		NV				7.4 SU		NV
PHENOLS							.017 MG/L		NV				.005 MG/L		UNV
PHOSPHORUS													.1 MG/L		UNV
SPECIFIC CONDUCTIVITY													733 UMHOS/CM		NV
SULFATE							71 MG/L		NV				93 MG/L		NV
TOTAL DISSOLVED SOLIDS													366 MG/L		NV
TOTAL ORGANIC CARBON							1 MG/L		NV				15 MG/L		NV
TOTAL ORGANIC HALIDES							.01 MG/L		UNV						
TOTAL ORGANIC HALOGENS													.05 MG/L		NV
INORGANICS															
ALUMINUM				.05 MG/L		UNV	.122 MG/L		NV	.2 MG/L		UNV	.2 MG/L		UNV
ANTIMONY										.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV
CADMIUM										.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM				129 MG/L		NV	131 MG/L		NV	72 MG/L		NV	77 MG/L		NV
CHROMIUM				.005 MG/L		UNV	.005 MG/L		UNV				.002 MG/L		UNV
COBALT				.025 MG/L		UNV	.025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV

SAMPLE NUMBER:	066706			066707			066707			EMGW_SYSGEN_465			EMGW_SYSGEN_465		
LAB:	IT			WMCO			WMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER				.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		UNV	.026 MG/L		NV
CYANIDE													.005 MG/L		UNV
IRON				.05 MG/L		UNV	.162 MG/L		NV	.11 MG/L		NV	.26 MG/L		NV
LEAD				.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV	.0083 MG/L		NV
MAGNESIUM				21.9 MG/L		NV	22.3 MG/L		NV	19 MG/L		NV	21 MG/L		NV
MANGANESE				.02 MG/L		UNV	.02 MG/L		UNV	.015 MG/L		UNV	.02 MG/L		NV
MERCURY										.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM										.01 MG/L		UNV	.01 MG/L		UNV
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM										6.5 MG/L		NV	6.5 MG/L		NV
SELENIUM										.005 MG/L		UNV	.005 MG/L		UNV
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV
SODIUM				52.9 MG/L		NV	49.8 MG/L		NV	24 MG/L		NV	25 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV
ZINC				.02 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV	.022 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U												
URANIUM, TOTAL	2.3 UG/L	.2	J												
URANIUM-234	1 PCI/L	.3	-												
THORIUM-230	1 PCI/L		U												
URANIUM-235/236	1 PCI/L		U												
THORIUM-228	1 PCI/L		U												
TECHNETIUM-99	3660 PCI/L	380	J												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE							2.5 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV

000918

SAMPLE NUMBER:	066706			066707			066707			EMGW_SYSGEN_465			EMGW_SYSGEN_465		
LAB:	IT			WMCO			WMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE							2.5 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE							2.5 UG/L		UNV				2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE							2.5 UG/L		UNV				1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE							2.5 UG/L		UNV				1 UG/L		UNV
TOLUENE							2.5 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE							2.5 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_465	003756	003756	066842	003170
TASK:	GWMON	3.2.4	3.2.4	9.27	3.2.4
LAB:	WMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	2021	2022	2022	2022	2022
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-JUL-91	02-DEC-88	02-DEC-88	07-JAN-90	09-MAY-88
NORTH COORDINATE:	481567.9	481695.17	481695.17	481695.17	481695.17
EAST COORDINATE:	1378913.4	1378680.21	1378680.21	1378680.21	1378680.21
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							11.7 MG/L		-						
CHLORIDE							265 MG/L		-						
FLUORIDE							.57 MG/L		-						
NITRATE							.1 MG/L		UJ						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.02 MG/L		U						
SULFATE							67.4 MG/L		J						
TOTAL KJELDAHL NITROGEN							3.24 MG/L		J						
TOTAL ORGANIC HALIDES							.05 MG/L		U						
INORGANICS															
ALUMINUM													.0132 MG/L		-
ANTIMONY													.0467 MG/L		U
ARSENIC				.002 MG/L		U							.0042 MG/L		-
BARIUM				.116 MG/L		-							.0521 MG/L		-
BERYLLIUM													.0024 MG/L		U
CADMIUM				.002 MG/L		U							.0007 MG/L		U
CALCIUM				212 MG/L		-							123 MG/L		-
CHROMIUM				.02 MG/L		U							.0017 MG/L		U
COBALT													.0052 MG/L		U
COPPER				.01 MG/L		U							.0154 MG/L		-
IRON				.031 MG/L		-							.0255 MG/L		-
LEAD				.002 MG/L		U							.0034 MG/L		-
MAGNESIUM				67.3 MG/L		-							39.7 MG/L		-
MANGANESE				.003 MG/L		-							.0063 MG/L		-
MERCURY				.0002 MG/L		U							.0002 MG/L		UJ

SAMPLE NUMBER	EMGW_SYSGEN_465			003756			003756			066842			003170		
LAB:	WMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM				.02 MG/L		U							.0333 MG/L		U
NICKEL				.02 MG/L		U							.0123 MG/L		U
POTASSIUM				6.44 MG/L		-							4.94 MG/L		-
SELENIUM				.002 MG/L		U							.0018 MG/L		U
SILVER				.0005 MG/L		UJ							.0043 MG/L		U
SODIUM				56.1 MG/L		-							29.2 MG/L		-
THALLIUM													.0041 MG/L		UJ
VANADIUM													.0034 MG/L		U
ZINC													.042 MG/L		-
RADIONUCLIDES															
URANIUM-238							1.7 PCI/L	.5	-	1.2 PCI/L	.42	-			
URANIUM, TOTAL	9 UG/L		NV				5 UG/L	1	-	4.56 UG/L	.5	J			
URANIUM-234							1.6 PCI/L	.4	J	1.48 PCI/L	.46	R			
THORIUM-230							1 PCI/L		U	1 PCI/L		U			
RADIUM-226							1 PCI/L		U						
URANIUM-235/236							1 PCI/L		U	1 PCI/L		U			
THORIUM-232							1 PCI/L		U						
THORIUM, TOTAL							5 UG/L		UJ						
RADIUM-228							3 PCI/L		R						
THORIUM-228							1 PCI/L		U	1 PCI/L		U			
NEPTUNIUM-237							1 PCI/L		UJ						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							237 PCI/L	32	J	15 PCI/L	.74	U			
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003170			004043			004043			EMGW_SYSGEN_470			003508		
TASK:	3.2.4			3.2.4			3.2.4			GWMON			3.2.4		
LAB:	IT			IT			IT			WMCO			IT		
WELL OR BORING NUMBER:	2022			2022			2022			2022			2022		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	09-MAY-88			10-MAR-89			10-MAR-89			16-MAY-90			18-AUG-88		
NORTH COORDINATE:	481695.17			481695.17			481695.17			481695.17			481695.17		
EAST COORDINATE:	1378680.21			1378680.21			1378680.21			1378680.21			1378680.21		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
HEPTACHLORODIBENZO-P-DIOXINS	1.8 NG/L		U												
HEPTACHLORODIBENZOFURANS	1.3 NG/L		U												
HEXACHLORODIBENZO-P-DIOXINS	.8 NG/L		U												
HEXACHLORODIBENZOFURANS	.61 NG/L		U												
OCTACHLORODIBENZO-P-DIOXIN	5.2 NG/L		U												
OCTACHLORODIBENZOFURAN	4.5 NG/L		U												
PENTACHLORODIBENZO-P-DIOXINS	.84 NG/L		U												
PENTACHLORODIBENZOFURANS	.46 NG/L		U												
TETRACHLORODIBENZO-P-DIOXINS	.54 NG/L		U												
TETRACHLORODIBENZOFURANS	.58 NG/L		U												
GENERAL CHEMISTRY															
AMMONIA	.5 MG/L		J				10 MG/L		J						
CHLORIDE	57.9 MG/L		-				130 MG/L		J						
FLUORIDE	.66 MG/L		-				.5 MG/L		J						
NITRATE	.1 MG/L		-				58 MG/L		J						
PHENOLS	.01 MG/L		-				.006 MG/L		J						
PHOSPHORUS	.13 MG/L		-				.03 MG/L		J						
SULFATE	123 MG/L		-				110 MG/L		J						
TOTAL KJELDAHL NITROGEN							8.5 MG/L		J						
TOTAL ORGANIC HALIDES							.05 MG/L		UJ						
TOTAL ORGANIC NITROGEN	.4 MG/L		-												

SAMPLE NUMBER:	003170			004043			004043			EMGW_SYSGEN_470			003508		
LAB:	IT			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BARIUM				.093 MG/L		J							.06 MG/L		-
CADMIUM				.005 MG/L		UJ							.002 MG/L		U
CALCIUM				180 MG/L		J							145 MG/L		-
CHROMIUM				.03 MG/L		J							.02 MG/L		U
COPPER				.01 MG/L		UJ							.01 MG/L		U
CYANIDE	.01 MG/L		UNV												
IRON				.08 MG/L		J							.017 MG/L		U
LEAD				.002 MG/L		UJ							.05 MG/L		U
MAGNESIUM				56 MG/L		J							43.5 MG/L		-
MANGANESE				.005 MG/L		UJ							.003 MG/L		-
MERCURY				.0002 MG/L		UJ							.0002 MG/L		U
MOLYBDENUM				.01 MG/L		J							.02 MG/L		U
NICKEL				.03 MG/L		UJ							.02 MG/L		U
POTASSIUM				6.8 MG/L		J							4 MG/L		-
SELENIUM				.002 MG/L		UJ							.2 MG/L		U
SILVER				.01 MG/L		UJ							.01 MG/L		U
SODIUM				46 MG/L		J							32.2 MG/L		-
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL	5 UG/L		UJ												
DEMETON	1 UG/L		UJ												
DIAZINON	.5 UG/L		UJ												
DISULFOTON	.5 UG/L		UJ												
ETHION	.5 UG/L		UJ												
MALATHION	1 UG/L		UJ												
METHYL PARATHION	1 UG/L		UJ												
PARATHION	.5 UG/L		UJ												
PESTICIDES															
4,4'-DDD	.1 UG/L		UJ												
4,4'-DDE	.1 UG/L		UJ												
4,4'-DDT	.1 UG/L		UJ												
ALDRIN	.11 UG/L		J												
ALPHA-BHC	.1 UG/L		UJ												
ALPHA-CHLORDANE	1 UG/L		UJ												
AROCLOR-1016	.5 UG/L		UJ												

SAMPLE NUMBER:	003170			004043			004043			EMGW_SYSGEN_470			003508		
LAB:	IT			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
AROCLOR-1221	.5 UG/L		UJ												
AROCLOR-1232	.5 UG/L		UJ												
AROCLOR-1242	.5 UG/L		UJ												
AROCLOR-1248	.5 UG/L		UJ												
AROCLOR-1254	1 UG/L		UJ												
AROCLOR-1260	1 UG/L		UJ												
BETA-BHC	.05 UG/L		UJ												
DELTA-BHC	.05 UG/L		UJ												
DIELDRIN	.1 UG/L		UJ												
ENDOSULFAN II	.1 UG/L		UJ												
ENDOSULFAN SULFATE	.5 UG/L		UJ												
ENDOSULFAN-I	.05 UG/L		UJ												
ENDRIN	.1 UG/L		UJ												
ENDRIN KETONE	.5 UG/L		UJ												
GAMMA-BHC (LINDANE)	.05 UG/L		UJ												
GAMMA-CHLORDANE	.5 UG/L		UJ												
HEPTACHLOR	.07 UG/L		J												
HEPTACHLOR EPOXIDE	.05 UG/L		UJ												
METHOXYCHLOR	.5 UG/L		UJ												
TOXAPHENE	.5 UG/L		UJ												
RADIONUCLIDES															
URANIUM-238	2.2 PCI/L	.6	-				1 PCI/L	.3	-	1.1276 PCI/L		NV			
URANIUM, TOTAL	10 UG/L	1	-				4 UG/L	1	-	3.38 UG/L		NV			
URANIUM-234	2.2 PCI/L	.6	-				1.4 PCI/L	.3	-	.2 PCI/L		UNV			
THORIUM-230	1 PCI/L		UJ				1 PCI/L		U						
RADIUM-226	1 PCI/L		U				1 PCI/L		U						
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U						
THORIUM-232	1 PCI/L		UJ				1 PCI/L		U						
THORIUM, TOTAL							3 UG/L		U						
RADIUM-228	3 PCI/L		R				3 PCI/L		UJ						
THORIUM-228	1 PCI/L		UJ				1 PCI/L		U						
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U						
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		U				188 PCI/L	31	J						
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R						
CESIUM-137	20 PCI/L		R				20 PCI/L		R						
URANIUM-235	1 PCI/L		U				1 PCI/L		U	.0533 PCI/L		NV			
URANIUM-236										.0087 PCI/L		NV			

SAMPLE NUMBER:	003170			004043			004043			EMGW_SYSGEN_470			003508		
LAB:	IT			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		UJ												
1,2-DICHLOROBENZENE	10 UG/L		UJ												
1,3-DICHLOROBENZENE	10 UG/L		UJ												
1,4-DICHLOROBENZENE	10 UG/L		UJ												
2,4,5-TRICHLOROPHENOL	50 UG/L		UJ												
2,4,6-TRICHLOROPHENOL	10 UG/L		UJ												
2,4-DICHLOROPHENOL	10 UG/L		UJ												
2,4-DIMETHYLPHENOL	10 UG/L		UJ												
2,4-DINITROPHENOL	50 UG/L		UJ												
2,4-DINITROTOLUENE	10 UG/L		UJ												
2,6-DINITROTOLUENE	10 UG/L		UJ												
2-CHLORONAPHTHALENE	10 UG/L		UJ												
2-CHLOROPHENOL	10 UG/L		UJ												
2-METHYLNAPHTHALENE	10 UG/L		UJ												
2-METHYLPHENOL	10 UG/L		UJ												
2-NITROANILINE	50 UG/L		UJ												
2-NITROPHENOL	10 UG/L		UJ												
3,3'-DICHLOROBENZIDINE	20 UG/L		UJ												
3-NITROANILINE	50 UG/L		UJ												
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		UJ												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		UJ												
4-CHLORO-3-METHYLPHENOL	10 UG/L		UJ												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		UJ												
4-METHYLPHENOL	10 UG/L		UJ												
4-NITROANILINE	50 UG/L		UJ												
4-NITROPHENOL	50 UG/L		UJ												
ACENAPHTHENE	10 UG/L		UJ												
ACENAPHTHYLENE	10 UG/L		UJ												
ANTHRACENE	10 UG/L		UJ												
BENZO(A)ANTHRACENE	10 UG/L		UJ												
BENZO(A)PYRENE	10 UG/L		UJ												
BENZO(B)FLUORANTHENE	10 UG/L		UJ												
BENZO(G,H,I)PERYLENE	10 UG/L		UJ												
BENZO(K)FLUORANTHENE	10 UG/L		UJ												
BENZOIC ACID	50 UG/L		UJ												
BENZYL ALCOHOL	10 UG/L		UJ												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		UJ												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		UJ												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UJ												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		UJ												
BUTYL BENZYL PHTHALATE	10 UG/L		UJ												

SAMPLE NUMBER:	003170			004043			004043			EMGW_SYSGEN_470			003508		
LAB:	IT			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
CHRYSENE	10 UG/L		UJ												
DI-N-BUTYL PHTHALATE	10 UG/L		UJ												
DI-N-OCTYL PHTHALATE	10 UG/L		UJ												
DIBENZO(A,H)ANTHRACENE	10 UG/L		UJ												
DIBENZOFURAN	10 UG/L		UJ												
DIETHYL PHTHALATE	10 UG/L		UJ												
DIMETHYL PHTHALATE	10 UG/L		UJ												
FLUORANTHENE	10 UG/L		UJ												
FLUORENE	10 UG/L		UJ												
HEXACHLOROBENZENE	10 UG/L		UJ												
HEXACHLOROBUTADIENE	10 UG/L		UJ												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UJ												
HEXACHLOROETHANE	10 UG/L		UJ												
INDENO(1,2,3-CD)PYRENE	10 UG/L		UJ												
ISOPHORONE	10 UG/L		UJ												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		UJ												
N-NITROSODIPHENYLAMINE	10 UG/L		UJ												
NAPHTHALENE	10 UG/L		UJ												
NITROBENZENE	10 UG/L		UJ												
P-CHLOROANILINE	10 UG/L		UJ												
PENTACHLOROPHENOL	50 UG/L		UJ												
PHENANTHRENE	10 UG/L		UJ												
PHENOL	10 UG/L		UJ				.006 MG/L		J						
PYRENE	10 UG/L		UJ												
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		UJ												
1,1,2,2-TETRACHLOROETHANE	5 UG/L		UJ												
1,1,2-TRICHLOROETHANE	5 UG/L		UJ												
1,1-DICHLOROETHANE	5 UG/L		UJ												
1,1-DICHLOROETHENE	5 UG/L		UJ												
1,2-DICHLOROETHANE	5 UG/L		UJ												
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		UJ												
1,2-DICHLOROPROPANE	5 UG/L		UJ												
2-BUTANONE	10 UG/L		UJ												
2-HEXANONE	10 UG/L		UJ												
4-METHYL-2-PENTANONE	10 UG/L		UJ												
ACETONE	10 UG/L		UJ												
BENZENE	5 UG/L		UJ												
BROMODICHLOROMETHANE	5 UG/L		UJ												
BROMOFORM	5 UG/L		UJ												

SAMPLE NUMBER:	003170			004043			004043			EMGW_SYSGEN_470			003508		
LAB:	IT			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE	10 UG/L		UJ												
CARBON DISULFIDE	5 UG/L		UJ												
CARBON TETRACHLORIDE	5 UG/L		UJ												
CHLOROBENZENE	5 UG/L		UJ												
CHLOROETHANE	10 UG/L		UJ												
CHLOROFORM	5 UG/L		UJ												
CHLOROMETHANE	10 UG/L		UJ												
CIS-1,3-DICHLOROPROPENE	5 UG/L		UJ												
DIBROMOCHLOROMETHANE	5 UG/L		UJ												
ETHYLBENZENE	5 UG/L		UJ												
METHYLENE CHLORIDE	5 UG/L		UJ												
STYRENE	5 UG/L		UJ												
TETRACHLOROETHENE	5 UG/L		UJ												
TOLUENE	5 UG/L		UJ												
TRANS-1,3-DICHLOROPROPENE	5 UG/L		UJ												
TRICHLOROETHENE	5 UG/L		UJ												
VINYL ACETATE	10 UG/L		UJ												
VINYL CHLORIDE	10 UG/L		UJ												
XYLENES, TOTAL	5 UG/L		UJ												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003508	EMGW_SYSGEN_471	EMGW_SYSGEN_471	EMGW_SYSGEN_471D	EMGW_SYSGEN_471D
TASK:	3.2.4	GWMON	GWMON	GWMON	GWMON
LAB:	IT	IT	NET	IT	NET
WELL OR BORING NUMBER:	2022	2022	2022	2022	2022
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-AUG-88	22-MAY-90	22-MAY-90	22-MAY-90	22-MAY-90
NORTH COORDINATE:	481695.17	481695.17	481695.17	481695.17	481695.17
EAST COORDINATE:	1378680.21	1378680.21	1378680.21	1378680.21	1378680.21
QA TYPE:	NORMAL	NORMAL	NORMAL	DUPLICATE	DUPLICATE
QC OF:				EMGW_SYSGEN_471	EMGW_SYSGEN_471
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	3.3 MG/L		J												
CHLORIDE	95 MG/L		J				44 MG/L		NV				42 MG/L		NV
FLUORIDE	.69 MG/L		J												
NITRATE	.15 MG/L		R				32.2 MG/L		NV				28.3 MG/L		NV
NITRATE, AS NITROGEN							32.2 MG/L		NV				28.3 MG/L		NV
PHENOLS	.1 MG/L		UJ												
PHOSPHORUS	.05 MG/L		UJ												
SULFATE	80 MG/L		-				69 MG/L		NV				79 MG/L		NV
TOTAL ORGANIC CARBON							8 MG/L		NV				7 MG/L		NV
TOTAL ORGANIC HALIDES	.05 MG/L		U												
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV				.01 MG/L		UNV
RADIONUCLIDES															
URANIUM-238	4.8 PCI/L	.7	J	1.06 PCI/L		NV				.839 PCI/L		NV			
URANIUM, TOTAL	6 UG/L	1	J	2.98 UG/L		NV				3.12 UG/L		NV			
URANIUM-234	2.6 PCI/L	.5	J	1.34 PCI/L		NV				1.01 PCI/L		NV			
THORIUM-230	1 PCI/L		UJ	.248 PCI/L		NV				.36 PCI/L		UNV			
RADIUM-226	1 PCI/L		R	1 PCI/L		UNV				1 PCI/L		UNV			
URANIUM-235/236	1 PCI/L		UJ	.208 PCI/L		NV				.32 PCI/L		UNV			
THORIUM-232	1 PCI/L		UJ	.24 PCI/L		UNV				.36 PCI/L		UNV			
THORIUM, TOTAL	3 UG/L		UJ	2.1 UG/L		UNV				3.3 UG/L		UNV			
RADIUM-228	3 PCI/L		UJ	3 PCI/L		UNV				3 PCI/L		UNV			
THORIUM-228	1 PCI/L		UJ	.867 PCI/L		NV				.36 PCI/L		UNV			
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		U												
PLUTONIUM-238	1 PCI/L		U												

SAMPLE NUMBER:	003508			EMGW_SYSGEN_471			EMGW_SYSGEN_471			EMGW_SYSGEN_471D			EMGW_SYSGEN_471D		
LAB:	IT			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	166 PCI/L	20	-												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA				15.5 PCI/L		NV				.003 PCI/L		UNV			
GROSS BETA				559 PCI/L		NV				.513 PCI/L		NV			
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROPROPANE							1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE							2 UG/L		UNV				2 UG/L		UNV
2-HEXANONE							2 UG/L		UNV				2 UG/L		UNV
4-METHYL-2-PENTANONE							2 UG/L		UNV				2 UG/L		UNV
ACETONE							2 UG/L		UNV				2 UG/L		UNV
BENZENE							1 UG/L		UNV				1 UG/L		UNV
BROMODICHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
BROMOFORM							1 UG/L		UNV				1 UG/L		UNV
BROMOMETHANE							1 UG/L		UNV				1 UG/L		UNV
CARBON DISULFIDE							1 UG/L		UNV				1 UG/L		UNV
CARBON TETRACHLORIDE							1 UG/L		UNV				1 UG/L		UNV
CHLOROBENZENE							1 UG/L		UNV				1 UG/L		UNV
CHLOROFORM							1 UG/L		UNV				1 UG/L		UNV
CHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
DIBROMOCHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
ETHYLBENZENE							1 UG/L		UNV				1 UG/L		UNV
METHYLENE CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
STYRENE							1 UG/L		UNV				1 UG/L		UNV
TETRACHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
TOLUENE							1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
TRICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE							2 UG/L		UNV				2 UG/L		UNV
VINYL CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
XYLENES, TOTAL							1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_472	EMGW_SYSGEN_472	070271	EMGW_SYSGEN_476	EMGW_SYSGEN_476D
TASK:	GWMON	GWMON	04.22	GWMON	GWMON
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	2022	2022	2022	2024	2024
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-OCT-90	23-OCT-90	26-AUG-92	01-MAR-90	01-MAR-90
NORTH COORDINATE:	481695.17	481695.17	481695.17	482487.51	482487.51
EAST COORDINATE:	1378680.21	1378680.21	1378680.21	1378880.72	1378880.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					EMGW_SYSGEN_476
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				222 MG/L		NV									
AMMONIA				.74 MG/L		NV									
CHLORIDE				73 MG/L		NV									
FLUORIDE				.51 MG/L		NV									
NITRATE/NITRITE				24.2 MG/L		NV									
PH				7.15 SU		NV	7.57 SU		J						
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.1 MG/L		UNV									
SPECIFIC CONDUCTIVITY				917 UMHOS/CM		NV									
SULFATE				93 MG/L		NV									
TOTAL DISSOLVED SOLIDS				655 MG/L		NV									
TOTAL ORGANIC CARBON				1 MG/L		NV									
TOTAL ORGANIC HALOGENS				.017 MG/L		NV									
INORGANICS															
CYANIDE				.044 MG/L		NV									
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	11.6 PCI/L		NV							2.2 PCI/L	.5	NV	1.6 PCI/L	.5	NV
URANIUM, TOTAL	35.1 UG/L		NV				23.7 UG/L	4.3	J	6.57 UG/L	1.63	NV	4.8 UG/L	1.63	NV
URANIUM-234	7.87 PCI/L		NV							2.5 PCI/L	.6	NV	1.8 PCI/L	.6	NV

SAMPLE NUMBER:	EMGW_SYSGEN_472			EMGW_SYSGEN_472			070271			EMGW_SYSGEN_476			EMGW_SYSGEN_476D		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230	.47 PCI/L		UNV												
RADIUM-226	1 PCI/L		UNV												
URANIUM-235/236	.502 PCI/L		NV												
THORIUM-232	.47 PCI/L		UNV												
THORIUM, TOTAL	4.2 UG/L		UNV				9.12 UG/L	2.26	-						
RADIUM-228	3 PCI/L		UNV												
THORIUM-228	.593 PCI/L		NV												
GROSS ALPHA	49.9 PCI/L		NV												
GROSS BETA	465 PCI/L		NV												
URANIUM-235	.502 PCI/L		NV							1 PCI/L		UNV	1 PCI/L		UNV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV	5 UG/L		U						
1,2-DICHLOROETHANE				1 UG/L		UNV	5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV	10 UG/L		U						
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV	5 UG/L		U						
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV	5 UG/L		U						
CHLOROBENZENE				1 UG/L		UNV	5 UG/L		U						
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV	5 UG/L		U						
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_472			EMGW_SYSGEN_472			070271			EMGW_SYSGEN_476			EMGW_SYSGEN_476D		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV	5 UG/L		U						
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV	5 UG/L		U						
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV	10 UG/L		U						
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_484	EMGW_SYSGEN_484	EMGW_SYSGEN_484	003324	003324
TASK:	GWMON	GWMON	GWMON	3.2.4	3.2.4
LAB:	NET	NET	WMCO	IT	IT
WELL OR BORING NUMBER:	2024	2024	2024	2024	2024
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-OCT-91	01-OCT-91	01-OCT-91	02-NOV-88	02-NOV-88
NORTH COORDINATE:	482487.51	482487.51	482487.51	482487.51	482487.51
EAST COORDINATE:	1378880.72	1378880.72	1378880.72	1378880.72	1378880.72
QA TYPE:	NORMAL	NORMAL	NORMAL	DUPLICATE	DUPLICATE
QC OF:				003656	003656
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				286 MG/L		NV									
AMMONIA				.16 MG/L		NV							.34 MG/L		-
CHLORIDE				26 MG/L		NV							19 MG/L		-
FLUORIDE				.4 MG/L		NV							.5 MG/L		U
NITRATE				.03 MG/L		NV							.132 MG/L		J
NITRATE, AS NITROGEN				.03 MG/L		NV									
PH				6.93 SU		NV							.02 MG/L		-
PHENOLS				.005 MG/L		UNV							.02 MG/L		-
PHOSPHORUS				.16 MG/L		NV							.342 MG/L		-
SPECIFIC CONDUCTIVITY				796 UMHOS/CM		NV									
SULFATE				124 MG/L		NV							385 MG/L		J
TOTAL DISSOLVED SOLIDS				508 MG/L		NV									
TOTAL KJELDAHL NITROGEN													.61 MG/L		-
TOTAL ORGANIC CARBON				10 MG/L		NV									
TOTAL ORGANIC HALIDES													.05 MG/L		U
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN													.3 MG/L		J
INORGANICS															
ALUMINUM	.2 MG/L		UNV	9.01 MG/L		NV									
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV									
ARSENIC	.005 MG/L		UNV	.058 MG/L		NV				.002 MG/L		U			
BARIUM	.2 MG/L		UNV	.71 MG/L		NV				.09 MG/L		-			
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV									
CADMIUM	.001 MG/L		UNV	.0016 MG/L		NV				.002 MG/L		U			
CALCIUM	120 MG/L		NV	540 MG/L		NV				190 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_484			EMGW_SYSGEN_484			EMGW_SYSGEN_484			003324			003324		
LAB:	NET			NET			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM				.0369 MG/L		NV				.02 MG/L		U			
COBALT	.005 MG/L		UNV	.005 MG/L		UNV									
COPPER	.02 MG/L		UNV	.179 MG/L		NV				.01 MG/L		U			
CYANIDE				.005 MG/L		UNV									
IRON	3 MG/L		NV	405 MG/L		NV				4.1 MG/L		-			
LEAD	.003 MG/L		UNV	.0253 MG/L		NV				.011 MG/L		R			
MAGNESIUM	24 MG/L		NV	85 MG/L		NV				33.6 MG/L		-			
MANGANESE	.446 MG/L		NV	3.14 MG/L		NV				.4 MG/L		-			
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		U			
MOLYBDENUM	.01 MG/L		UNV	.024 MG/L		NV				.02 MG/L		U			
NICKEL	.01 MG/L		UNV	.01 MG/L		UNV				.02 MG/L		U			
POTASSIUM	1.4 MG/L		NV	4 MG/L		NV				1.35 MG/L		-			
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV				.003 MG/L		R			
SILVER	.001 MG/L		UNV	.001 MG/L		UNV				.01 MG/L		U			
SODIUM	9.9 MG/L		NV	14 MG/L		NV				9.6 MG/L		-			
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV									
ZINC	.02 MG/L		UNV	.243 MG/L		UNV									
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238													1.6 PCI/L	.4	J
URANIUM, TOTAL							7.8 UG/L		NV				4 UG/L	1	-
URANIUM-234													1.8 PCI/L	.5	J
THORIUM-230													1 PCI/L		UJ
RADIUM-226													1 PCI/L		U
URANIUM-235/236													1 PCI/L		UJ
THORIUM-232													1 PCI/L		UJ
THORIUM, TOTAL													6 UG/L		UJ
RADIUM-228													3 PCI/L		UJ
THORIUM-228													2.7 PCI/L	.8	J
NEPTUNIUM-237													1 PCI/L		UJ
PLUTONIUM-239/240													1 PCI/L		UJ
PLUTONIUM-238													1 PCI/L		UJ
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R

SAMPLE NUMBER:	EMGW_SYSGEN_484			EMGW_SYSGEN_484			EMGW_SYSGEN_484			003324			003324		
LAB:	NET			NET			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003656	003656	EMGW_SYSGEN_478	EMGW_SYSGEN_478	EMGW_SYSGEN_478
TASK:	3.2.4	3.2.4	GWMON	GWMON	GWMON
LAB:	IT	IT	IT	NET	NET
WELL OR BORING NUMBER:	2024	2024	2024	2024	2024
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-NOV-88	02-NOV-88	08-AUG-90	08-AUG-90	08-AUG-90
NORTH COORDINATE:	482487.51	482487.51	482487.51	482487.51	482487.51
EAST COORDINATE:	1378880.72	1378880.72	1378880.72	1378880.72	1378880.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.29 MG/L		-									
CHLORIDE				19.5 MG/L		-							24 MG/L		NV
FLUORIDE				.5 MG/L		J							.5 MG/L		NV
NITRATE				.172 MG/L		J							.02 MG/L		NV
NITRATE, AS NITROGEN													.02 MG/L		NV
PHENOLS				.02 MG/L		-							.007 MG/L		NV
PHOSPHORUS				.02 MG/L		U									
SULFATE				131 MG/L		J							203 MG/L		NV
TOTAL KJELDAHL NITROGEN				.7 MG/L		-									
TOTAL ORGANIC CARBON													203 MG/L		NV
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC HALOGENS													.03 MG/L		NV
TOTAL ORGANIC NITROGEN				.41 MG/L		J									
INORGANICS															
ALUMINUM										.5 MG/L		UNV	4.56 MG/L		NV
ANTIMONY										.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC	.002 MG/L		U							.0025 MG/L		UNV	.005 MG/L		NV
BARIUM	.09 MG/L		-							.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM										.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM	.002 MG/L		U							.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	196 MG/L		-							139 MG/L		NV	192 MG/L		NV
CHROMIUM	.02 MG/L		U										.026 MG/L		NV
COBALT										.025 MG/L		UNV	.025 MG/L		UNV
COPPER	.01 MG/L		U							.025 MG/L		UNV	.027 MG/L		NV
IRON	4.3 MG/L		-							1.83 MG/L		NV	13.1 MG/L		NV

SAMPLE NUMBER:	003656			003656			EMGW_SYSGEN_478			EMGW_SYSGEN_478			EMGW_SYSGEN_478		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD	.032 MG/L		R							.005 MG/L		UNV	.005 MG/L		NV
MAGNESIUM	33.8 MG/L		-							21.6 MG/L		NV	31.6 MG/L		NV
MANGANESE	.4 MG/L		-							.796 MG/L		NV	.993 MG/L		NV
MERCURY	.0002 MG/L		U							.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.02 MG/L		U							.025 MG/L		UNV	.025 MG/L		UNV
NICKEL	.02 MG/L		U							.005 MG/L		UNV	.015 MG/L		NV
POTASSIUM	1.35 MG/L		-							2.2 MG/L		NV	3.78 MG/L		NV
SELENIUM	.002 MG/L		R							.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER	.01 MG/L		U							.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	9.5 MG/L		-							12.8 MG/L		NV	12.4 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM										.05 MG/L		UNV	.05 MG/L		UNV
ZINC										.02 MG/L		UNV	.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238				1.8 PCI/L	.4	J	5.23 PCI/L		NV						
URANIUM, TOTAL				5 UG/L	1	-	16.2 UG/L		NV						
URANIUM-234				2.4 PCI/L	.5	J	6.44 PCI/L		NV						
THORIUM-230				1 PCI/L		U	.667 PCI/L		NV						
RADIUM-226				1 PCI/L		U	1 PCI/L		UNV						
URANIUM-235/236				1 PCI/L		U	.304 PCI/L		NV						
THORIUM-232				1 PCI/L		U	.6 PCI/L		UNV						
THORIUM, TOTAL				4 UG/L		U	5.4 UG/L		UNV						
RADIUM-228				3 PCI/L		U	3 PCI/L		UNV						
THORIUM-228				1 PCI/L		U	.6 PCI/L		UNV						
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV

SAMPLE NUMBER:	003656			003656			EMGW_SYSGEN_478			EMGW_SYSGEN_478			EMGW_SYSGEN_478		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930412-7	GW930412-7	GW930412-7	GW930412-7	EMGW_SYSGEN_480
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	GWMON
LAB:	CORE	CORE	NET	NET	IT
WELL OR BORING NUMBER:	2024	2024	2024	2024	2024
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-APR-93	12-APR-93	12-APR-93	12-APR-93	12-FEB-91
NORTH COORDINATE:	482487.51	482487.51	482487.51	482487.51	482487.51
EAST COORDINATE:	1378880.72	1378880.72	1378880.72	1378880.72	1378880.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										280 MG/L		-			
AMMONIA										.21 MG/L		R			
BICARBONATE ALKALINITY										360 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										25 MG/L		-			
FLUORIDE										.43 MG/L		-			
NITRATE/NITRITE										.02 MG/L		U			
PH										7.19 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.1 MG/L		R			
SPECIFIC CONDUCTIVITY										809 UMHOS/CM		-			
SULFATE										188 MG/L		-			
TOTAL DISSOLVED SOLIDS							586 MG/L		-						
TOTAL KJELDAHL NITROGEN										.35 MG/L		-			
TOTAL ORGANIC CARBON										6 MG/L		J			
TOTAL ORGANIC HALOGENS										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.14 MG/L		-			
TOTAL SOLIDS										602 MG/L		-			
INORGANICS															
ALUMINUM							.022 MG/L		U	.052 MG/L		U			
ANTIMONY							.045 MG/L		U	.045 MG/L		U			
ARSENIC							.002 MG/L		U	.002 MG/L		U			
BARIUM							.074 MG/L		-	.0797 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.003 MG/L		UJ	.003 MG/L		U			

SAMPLE NUMBER:	GW930412-7			GW930412-7			GW930412-7			GW930412-7			EMGW_SYSGEN_480		
LAB:	CORE			CORE			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM							132 MG/L		-	136 MG/L		-			
CHROMIUM							.005 MG/L		U	.005 MG/L		U			
COBALT							.008 MG/L		U	.008 MG/L		U			
COPPER							.0106 MG/L		U	.0047 MG/L		U			
CYANIDE							.01 MG/L		UJ	.01 MG/L		UJ			
IRON							3.78 MG/L		-	5.6 MG/L		-			
LEAD							.005 MG/L		UJ	.001 MG/L		UJ			
MAGNESIUM							24.8 MG/L		-	25.2 MG/L		-			
MANGANESE							.303 MG/L		-	.301 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.02 MG/L		U	.02 MG/L		U			
POTASSIUM							1.46 MG/L		-	1.01 MG/L		-			
SELENIUM							.001 MG/L		UJ	.001 MG/L		UJ			
SILVER							.007 MG/L		U	.007 MG/L		U			
SODIUM							11.4 MG/L		-	11.4 MG/L		-			
THALLIUM							.01 MG/L		UJ	.002 MG/L		UJ			
VANADIUM							.003 MG/L		U	.003 MG/L		U			
ZINC							.008 MG/L		U	.0057 MG/L		U			
RADIONUCLIDES															
URANIUM-238	1.2 PCI/L	.3	J	.9 PCI/L	.3	J							4.14 PCI/L		NV
URANIUM, TOTAL	3.4 UG/L	.2	-	3.7 UG/L	.3	-							9.46 UG/L		NV
URANIUM-234	1.4 PCI/L	.3	J	1.3 PCI/L	.3	J							4.73 PCI/L		NV
THORIUM-230	.2 PCI/L	.3	UJ	.2 PCI/L	.2	U							.301 PCI/L		NV
RADIUM-226	1 PCI/L	.3	UJ	1 PCI/L	.3	UJ							1 PCI/L		UNV
URANIUM-235/236	.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ							.27 PCI/L		UNV
THORIUM-232	1.2 PCI/L	.3	-	1.2 PCI/L	.3	-							.2 PCI/L		UNV
THORIUM, TOTAL				10.944 PCI/L	.3	NV							1.5 UG/L		UNV
RADIUM-228	3 PCI/L	1.2	UJ	3 PCI/L	1.2	U							3 PCI/L		UNV
THORIUM-228	.3 PCI/L	.2	J	.2 PCI/L	.1	U							1.48 PCI/L		NV
NEPTUNIUM-237													.5 PCI/L		UNV
PLUTONIUM-239/240													.5 PCI/L		UNV
PLUTONIUM-238													.5 PCI/L		UNV
TECHNETIUM-99													15 PCI/L		UNV
RUTHENIUM-106													150 PCI/L		UNV
CESIUM-137													8.2 PCI/L		UNV
GROSS ALPHA	3.2 PCI/L	1.7	UNV	3.9 PCI/L	2	NV							13 PCI/L		UNV
GROSS BETA	2.7 PCI/L	1.6	UNV	5.2 PCI/L	3.1	UNV							9.39 PCI/L		NV
VOLATILES															

SAMPLE NUMBER:	GW930412-7	GW930412-7	GW930412-7	GW930412-7	EMGW_SYSGEN_480
LAB:	CORE	CORE	NET	NET	IT
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										34 UG/L		J			
2-HEXANONE										10 UG/L		UJ			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_480	EMGW_SYSGEN_480	GW930113-7	GW930113-7	GW930113-7
TASK:	GWMON	GWMON	RCRA	RCRA	RCRA
LAB:	NET	NET	CORE	FERMCO Laboratory	NET
WELL OR BORING NUMBER:	2024	2024	2024	2024	2024
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-FEB-91	12-FEB-91	13-JAN-93	13-JAN-93	13-JAN-93
NORTH COORDINATE:	482487.51	482487.51	482487.51	482487.51	482487.51
EAST COORDINATE:	1378880.72	1378880.72	1378880.72	1378880.72	1378880.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				286 MG/L		NV									
AMMONIA				.2 MG/L		NV									
CHLORIDE				23 MG/L		NV									
FLUORIDE				.44 MG/L		NV									
NITRATE, AS NITROGEN				.09 MG/L		NV									
PH				7.01 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.25 MG/L		NV									
SPECIFIC CONDUCTIVITY				798 UMHOS/CM		NV									
SULFATE				195 MG/L		NV									
TOTAL DISSOLVED SOLIDS				528 MG/L		NV							704 MG/L		NV
TOTAL ORGANIC CARBON				6 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM	.5 MG/L		UNV	.5 MG/L		UNV							.2 MG/L		UNV
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV							.02 MG/L		UNV
ARSENIC	.0025 MG/L		UNV	.0025 MG/L		UNV							.005 MG/L		UNV
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV							.2 MG/L		UNV
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.005 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV							.001 MG/L		UNV
CALCIUM	111 MG/L		NV	107 MG/L		NV							142 MG/L		NV
CHROMIUM				.005 MG/L		UNV							.002 MG/L		UNV
COBALT	.025 MG/L		UNV	.025 MG/L		UNV							.005 MG/L		UNV
COPPER	.025 MG/L		UNV	.025 MG/L		UNV							.02 MG/L		UNV
CYANIDE				.005 MG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_480			EMGW_SYSGEN_480			GW930113-7			GW930113-7			GW930113-7		
LAB:	NET			NET			CORE			FERMCO Laboratory			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	1.64 MG/L		NV	3.9 MG/L		NV							4.12 MG/L		NV
LEAD	.005 MG/L		UNV	.005 MG/L		UNV							.003 MG/L		UNV
MAGNESIUM	23.7 MG/L		NV	26.4 MG/L		NV							31.4 MG/L		NV
MANGANESE	.61 MG/L		NV	.567 MG/L		NV							.469 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV							.0002 MG/L		UNV
MOLYBDENUM	.025 MG/L		UNV	.025 MG/L		UNV							.01 MG/L		UNV
NICKEL	.005 MG/L		UNV	.005 MG/L		UNV							.01 MG/L		UNV
POTASSIUM	1.96 MG/L		NV	1.87 MG/L		NV									
SELENIUM	.0025 MG/L		UNV	.0025 MG/L		UNV							.005 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV							.001 MG/L		UNV
SODIUM	11.4 MG/L		NV	11.7 MG/L		NV									
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV							.05 MG/L		UNV
ZINC	.02 MG/L		UNV	.02 MG/L		UNV							.02 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM, TOTAL							6.4 UG/L		UNV	8 UG/L		UNV			
THORIUM-230							.2 PCI/L	.1	UNV						
RADIUM-226							1 PCI/L	.3	UNV						
THORIUM-232							.2 PCI/L	.1	UNV						
THORIUM, TOTAL							1.1 UG/L		UNV						
RADIUM-228							3 PCI/L	1	UNV						
THORIUM-228							.2 PCI/L	.1	UNV						
GROSS ALPHA							4 PCI/L	1.9	NV						
GROSS BETA							4.1 PCI/L	1.7	NV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_480			EMGW_SYSGEN_480			GW930113-7			GW930113-7			GW930113-7		
LAB:	NET			NET			CORE			FERMCO Laboratory			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930113-7	EMGW_SYSGEN_479	EMGW_SYSGEN_479	066843	EMGW_SYSGEN_483
TASK:	RCRA	GWMON	GWMON	9.27	GWMON
LAB:	NET	NET	NET	IT	NET
WELL OR BORING NUMBER:	2024	2024	2024	2024	2024
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-JAN-93	13-NOV-90	13-NOV-90	14-DEC-89	15-JUL-91
NORTH COORDINATE:	482487.51	482487.51	482487.51	482487.51	482487.51
EAST COORDINATE:	1378880.72	1378880.72	1378880.72	1378880.72	1378880.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	315 MG/L		NV				220 MG/L		NV						
ALLYL CHLORIDE	5 UG/L		UNV												
AMMONIA	.22 MG/L		NV				.21 MG/L		NV						
BICARBONATE ALKALINITY	427 MG/L		NV												
CARBONATE ALKALINITY	3 MG/L		UNV												
CHLORIDE	25 MG/L		NV				23 MG/L		NV						
FLUORIDE	.47 MG/L		NV				.5 MG/L		NV						
NITRATE	.02 MG/L		UNV				.1 MG/L		NV						
NITRATE/NITRITE							.1 MG/L		NV						
NITRITE, AS NITROGEN	.02 MG/L		UNV												
PH	6.98 SU		NV				6.89 SU		NV						
PHENOLS	.01 MG/L		UNV				.005 MG/L		UNV						
PHOSPHORUS	.1 MG/L		UNV				.2 MG/L		NV						
SPECIFIC CONDUCTIVITY	1060 UMHOS/CM		NV				715 UMHOS/CM		NV						
SULFATE	288 MG/L		NV				119 MG/L		NV						
TOTAL DISSOLVED SOLIDS							606 MG/L		NV						
TOTAL ORGANIC CARBON	7 MG/L		NV				4 MG/L		NV						
TOTAL ORGANIC HALIDES	.01 MG/L		UNV												
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL SOLIDS	700 MG/L		NV												
INORGANICS															
ALUMINUM	.2 MG/L		UNV	.5 MG/L		UNV	1.15 MG/L		NV				.2 MG/L		UNV
ANTIMONY	.02 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV				.02 MG/L		UNV
ARSENIC	.005 MG/L		UNV	.0025 MG/L		UNV	.003 MG/L		NV				.005 MG/L		UNV
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV				.2 MG/L		UNV

SAMPLE NUMBER:	GW930113-7			EMGW_SYSGEN_479			EMGW_SYSGEN_479			066843			EMGW_SYSGEN_483		
LAB:	NET			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM	.005 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV				.05 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV
CALCIUM	168 MG/L		NV	125 MG/L		NV	145 MG/L		NV				169 MG/L		NV
CHROMIUM	.002 MG/L		UNV				.016 MG/L		NV						
COBALT	.005 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV				.005 MG/L		UNV
COPPER	.02 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV				.02 MG/L		UNV
CYANIDE	.005 MG/L		UNV				.005 MG/L		UNV						
IRON	5.82 MG/L		NV	1.54 MG/L		NV	11.3 MG/L		NV				.98 MG/L		NV
LEAD	.003 MG/L		UNV	.005 MG/L		UNV	.008 MG/L		NV				.005 MG/L		UNV
MAGNESIUM	32.3 MG/L		NV	10.6 MG/L		NV	19.3 MG/L		NV				29 MG/L		NV
MANGANESE	.493 MG/L		NV	.515 MG/L		NV	.683 MG/L		NV				.93 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UNV
MOLYBDENUM	.01 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV				.01 MG/L		UNV
NICKEL	.01 MG/L		UNV	.005 MG/L		UNV	.01 MG/L		NV				.01 MG/L		UNV
POTASSIUM	1.7 MG/L		NV	1.83 MG/L		NV	1.93 MG/L		NV				2.7 MG/L		NV
SELENIUM	.005 MG/L		UNV	.0025 MG/L		UNV	.0025 MG/L		UNV				.005 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV
SODIUM	10.8 MG/L		NV	7.6 MG/L		NV	11 MG/L		NV				12 MG/L		NV
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV
ZINC	.02 MG/L		UNV	.02 MG/L		UNV	.04 MG/L		NV				.02 MG/L		NV
MISC															
1,2,3-TRICHLOROPROPANE	5 UG/L		UNV												
1,2-DIBROMO-3-CHLOROPROPANE	2 UG/L		UNV												
1,2-DIBROMOETHANE	2 UG/L		UNV												
2-CHLORO-1,3-BUTADIENE	5 UG/L		UNV												
ACROLEIN	50 UG/L		UNV												
ACROLEIN	50 UG/L		UNV												
ACROLEIN	50 UG/L		UNV												
ACROLEIN	50 UG/L		UNV												
ACRYLONITRILE	50 UG/L		UNV												
DICHLORODIFLUOROMETHANE	10 UG/L		UNV												
ETHYL CYANIDE	20 UG/L		UNV												
ETHYL METHACRYLATE	5 UG/L		UNV												
IODOMETHANE	5 UG/L		UNV												
METHACRYLONITRILE	5 UG/L		UNV												
METHYL METHACRYLATE	5 UG/L		UNV												
PENTACHLOROETHANE	5 UG/L		UNV												
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TRANS-1,4-DICHLORO-2-BUTENE	20 UG/L		UNV												

SAMPLE NUMBER:	GW930113-7			EMGW_SYSGEN_479			EMGW_SYSGEN_479			066843			EMGW_SYSGEN_483		
LAB:	NET			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238										1.89 PCI/L	.36	-			
URANIUM, TOTAL										8.43 UG/L	.89	-			
URANIUM-234										2.05 PCI/L	.38	-			
THORIUM-230										1 PCI/L		U			
URANIUM-235/236										1 PCI/L		U			
THORIUM-228										1 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV				10 UG/L		UNV						
CUMENE	1 UG/L		UNV												
VOLATILES															
1,1,1,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV						
2-BUTANONE	10 UG/L		UNV				2 UG/L		UNV						
2-HEXANONE	10 UG/L		UNV				2 UG/L		UNV						
4-METHYL-2-PENTANONE	10 UG/L		UNV				2 UG/L		UNV						
ACETONE	10 UG/L		UNV				2 UG/L		UNV						
BENZENE	1 UG/L		UNV				1 UG/L		UNV						
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV						
BROMOMETHANE	5 UG/L		UNV				1 UG/L		UNV						
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV						
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROETHANE	10 UG/L		UNV				1 UG/L		UNV						
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV						
CHLOROMETHANE	10 UG/L		UNV				1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV						
METHYLENE CHLORIDE	10 UG/L		UNV				1 UG/L		UNV						

000946

6417

SAMPLE NUMBER:	GW930113-7			EMGW_SYSGEN_479			EMGW_SYSGEN_479			066843			EMGW_SYSGEN_483		
LAB:	NET			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
STYRENE	1 UG/L		UNV				1 UG/L		UNV						
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TOLUENE	1 UG/L		UNV				1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TRICHLOROFLUOROMETHANE	1 UG/L		UNV												
VINYL ACETATE	10 UG/L		UNV				2 UG/L		UNV						
VINYL CHLORIDE	5 UG/L		UNV				1 UG/L		UNV						
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_483	EMGW_SYSGEN_483	123350	EMGW_SYSGEN_482	EMGW_SYSGEN_482
TASK:	GWMON	GWMON	10.03.08	GWMON	GWMON
LAB:	NET	WMCO	IT	NET	NET
WELL OR BORING NUMBER:	2024	2024	2024	2024	2024
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-JUL-91	15-JUL-91	15-JUL-93	17-JUN-91	17-JUN-91
NORTH COORDINATE:	482487.51	482487.51	482487.51	482487.51	482487.51
EAST COORDINATE:	1378880.72	1378880.72	1378880.72	1378880.72	1378880.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	339 MG/L		NV										292 MG/L		NV
AMMONIA	.04 MG/L		NV										.19 MG/L		NV
CHLORIDE	23 MG/L		NV										25 MG/L		NV
FLUORIDE	.39 MG/L		NV										.46 MG/L		NV
NITRATE, AS NITROGEN	.02 MG/L		UNV										.02 MG/L		NV
PH	6.9 SU		NV				10 UG/L		UJ				6.92 SU		NV
PHENOLS	.005 MG/L		UNV										.005 MG/L		UNV
PHOSPHORUS	.11 MG/L		NV										.1 MG/L		UNV
SPECIFIC CONDUCTIVITY	1000 UMHOS/CM		NV										877 UMHOS/CM		NV
SULFATE	267 MG/L		NV										175 MG/L		NV
TOTAL DISSOLVED SOLIDS	648 MG/L		NV										550 MG/L		NV
TOTAL ORGANIC CARBON	8 MG/L		NV										23 MG/L		NV
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV										.01 MG/L		UNV
INORGANICS															
ALUMINUM	.2 MG/L		UNV							.5 MG/L		UNV	.5 MG/L		UNV
ANTIMONY	.02 MG/L		UNV							.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC	.005 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
BARIUM	.2 MG/L		UNV							.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM	.05 MG/L		UNV							.05 MG/L		UNV	.05 MG/L		UNV
CADMIUM	.001 MG/L		UNV							.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	150 MG/L		NV							144 MG/L		NV	142 MG/L		NV
CHROMIUM	.0033 MG/L		NV										.0063 MG/L		NV
COBALT	.005 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
COPPER	.02 MG/L		UNV							.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE	.005 MG/L		UNV										.005 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_483			EMGW_SYSGEN_483			123350			EMGW_SYSGEN_482			EMGW_SYSGEN_482		
LAB:	NET			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	4.02 MG/L		NV							2.24 MG/L		NV	2.49 MG/L		NV
LEAD	.005 MG/L		UNV							.005 MG/L		UNV	.0086 MG/L		NV
MAGNESIUM	32 MG/L		NV							27 MG/L		NV	29 MG/L		NV
MANGANESE	.953 MG/L		NV							.724 MG/L		NV	.692 MG/L		NV
MERCURY	.0002 MG/L		UNV							.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.01 MG/L		UNV				.02 MG/L		U	.01 MG/L		UNV	.01 MG/L		UNV
NICKEL	.01 MG/L		UNV							.01 MG/L		UNV	.014 MG/L		NV
POTASSIUM	2.7 MG/L		NV							2.2 MG/L		NV	2.2 MG/L		NV
SELENIUM	.005 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
SILVER	.001 MG/L		UNV							.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	13 MG/L		NV							11 MG/L		NV	12 MG/L		NV
THALLIUM	.01 MG/L		UNV							.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV							.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.052 MG/L		NV							.05 MG/L		UNV	.05 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
RADIONUCLIDES															
URANIUM, TOTAL				23 UG/L		NV									
NEPTUNIUM-237							.5 PCI/L	.09336	UJ						
PLUTONIUM-239/240							.0431 PCI/L		UJ						
PLUTONIUM-238							.5 PCI/L	.0431	UJ						
STRONTIUM-90							1 PCI/L	.41	UJ						
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							10.14 PCI/L		UJ						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		UJ						
1,2-DICHLOROBENZENE							10 UG/L		UJ						
1,3-DICHLOROBENZENE							10 UG/L		UJ						
1,4-DICHLOROBENZENE							10 UG/L		UJ						
2,4,5-TRICHLOROPHENOL							25 UG/L		UJ						
2,4,6-TRICHLOROPHENOL							10 UG/L		UJ						
2,4-DICHLOROPHENOL							10 UG/L		UJ						
2,4-DIMETHYLPHENOL							10 UG/L		UJ						
2,4-DINITROPHENOL							25 UG/L		UJ						
2,4-DINITROTOLUENE							10 UG/L		UJ						
2,6-DINITROTOLUENE							10 UG/L		UJ						

SAMPLE NUMBER:	EMGW_SYSGEN_483			EMGW_SYSGEN_483			123350			EMGW_SYSGEN_482			EMGW_SYSGEN_482		
LAB:	NET			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-BENZYL-4-CHLOROPHENOL							10 UG/L		UJ						
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV										10 UG/L		UNV
2-CHLORONAPHTHALENE							10 UG/L		UJ						
2-CHLOROPHENOL							10 UG/L		UJ						
2-METHYLNAPHTHALENE							10 UG/L		UJ						
2-METHYLPHENOL							10 UG/L		UJ						
2-NITROANILINE							25 UG/L		UJ						
2-NITROPHENOL							10 UG/L		UJ						
3,3'-DICHLOROBENZIDINE							10 UG/L		UJ						
3-NITROANILINE							25 UG/L		UJ						
4,6-DINITRO-2-METHYLPHENOL							25 UG/L		UJ						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		UJ						
4-CHLORO-3-METHYLPHENOL							10 UG/L		UJ						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		UJ						
4-METHYLPHENOL							10 UG/L		UJ						
4-NITROANILINE							25 UG/L		UJ						
4-NITROPHENOL							25 UG/L		UJ						
ACENAPHTHENE							10 UG/L		UJ						
ACENAPHTHYLENE							10 UG/L		UJ						
ANTHRACENE							10 UG/L		UJ						
BENZO(A)ANTHRACENE							10 UG/L		UJ						
BENZO(A)PYRENE							10 UG/L		UJ						
BENZO(B)FLUORANTHENE							10 UG/L		UJ						
BENZO(G,H,I)PERYLENE							10 UG/L		UJ						
BENZO(K)FLUORANTHENE							10 UG/L		UJ						
BENZOIC ACID							50 UG/L		UJ						
BENZYL ALCOHOL							10 UG/L		UJ						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		UJ						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		UJ						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		UJ						
BIS(2-ETHYLHEXYL)PHTHALATE							2 UG/L		J						
BUTYL BENZYL PHTHALATE							10 UG/L		UJ						
CARBAZOLE							10 UG/L		UJ						
CHRYSENE							10 UG/L		UJ						
DI-N-BUTYL PHTHALATE							10 UG/L		UJ						
DI-N-OCTYL PHTHALATE							10 UG/L		UJ						
DIBENZO(A,H)ANTHRACENE							10 UG/L		UJ						
DIBENZOFURAN							10 UG/L		UJ						
DIETHYL PHTHALATE							10 UG/L		UJ						
DIMETHYL PHTHALATE							10 UG/L		UJ						
FLUORANTHENE							10 UG/L		UJ						

SAMPLE NUMBER:	EMGW_SYSGEN_483			EMGW_SYSGEN_483			123350			EMGW_SYSGEN_482			EMGW_SYSGEN_482		
LAB:	NET			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORENE							10 UG/L		UJ						
HEXACHLOROBENZENE							10 UG/L		UJ						
HEXACHLOROBUTADIENE							10 UG/L		UJ						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		UJ						
HEXACHLOROETHANE							10 UG/L		UJ						
INDENO(1,2,3-CD)PYRENE							10 UG/L		UJ						
ISOPHORONE							10 UG/L		UJ						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		UJ						
N-NITROSODIPHENYLAMINE							10 UG/L		UJ						
NAPHTHALENE							10 UG/L		UJ						
NITROBENZENE							10 UG/L		UJ						
P-CHLOROANILINE							10 UG/L		UJ						
PENTACHLOROPHENOL							25 UG/L		UJ						
PHENANTHRENE							10 UG/L		UJ						
PHENOL	.005 MG/L		UNV				10 UG/L		UJ				.005 MG/L		UNV
PYRENE							10 UG/L		UJ						
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1,2-TRICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1-DICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1-DICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROPROPANE	1 UG/L		UNV										1 UG/L		UNV
2-BUTANONE	2 UG/L		UNV										2 UG/L		UNV
2-HEXANONE	2 UG/L		UNV										2 UG/L		UNV
4-METHYL-2-PENTANONE	2 UG/L		UNV										2 UG/L		UNV
ACETONE	2 UG/L		UNV										2 UG/L		UNV
BENZENE	1 UG/L		UNV										1 UG/L		UNV
BROMODICHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
BROMOFORM	1 UG/L		UNV										1 UG/L		UNV
BROMOMETHANE	1 UG/L		UNV										1 UG/L		UNV
CARBON DISULFIDE	1 UG/L		UNV										3.1 UG/L		NV
CARBON TETRACHLORIDE	1 UG/L		UNV										1 UG/L		UNV
CHLOROBENZENE	1 UG/L		UNV										1 UG/L		UNV
CHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
CHLOROFORM	1 UG/L		UNV										1 UG/L		UNV
CHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV										1 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_483			EMGW_SYSGEN_483			123350			EMGW_SYSGEN_482			EMGW_SYSGEN_482		
LAB:	NET			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
DIBROMOCHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
ETHYLBENZENE	1 UG/L		UNV										1 UG/L		UNV
METHYLENE CHLORIDE	1 UG/L		UNV										1 UG/L		UNV
STYRENE	1 UG/L		UNV										1 UG/L		UNV
TETRACHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
TOLUENE	1 UG/L		UNV										1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV										1 UG/L		UNV
TRICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
VINYL ACETATE	2 UG/L		UNV										2 UG/L		UNV
VINYL CHLORIDE	1 UG/L		UNV										1 UG/L		UNV
XYLENES, TOTAL	1 UG/L		UNV										1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_482	003104	003104	003843	003843
TASK:	GWMON	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	WMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	2024	2024	2024	2024	2024
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-JUN-91	20-APR-88	20-APR-88	24-JAN-89	24-JAN-89
NORTH COORDINATE:	482487.51	482487.51	482487.51	482487.51	482487.51
EAST COORDINATE:	1378880.72	1378880.72	1378880.72	1378880.72	1378880.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.2 MG/L		-				.1 MG/L		UJ
CHLORIDE							2.8 MG/L		-				19 MG/L		J
FLUORIDE							.35 MG/L		J				.4 MG/L		J
NITRATE							.1 MG/L		R				.08 MG/L		J
PHENOLS							.02 MG/L		-				.02 MG/L		UJ
PHOSPHORUS							.06 MG/L		-				4.6 MG/L		J
SULFATE							240 MG/L		-				210 MG/L		J
TOTAL KJELDAHL NITROGEN													.1 MG/L		UJ
TOTAL ORGANIC HALIDES													.01 MG/L		R
TOTAL ORGANIC NITROGEN							.7 MG/L		-				.1 MG/L		UJ
INORGANICS															
ARSENIC				.2 MG/L		U				.002 MG/L		UJ			
BARIUM				.093 MG/L		-				.087 MG/L		J			
CADMIUM				.005 MG/L		U				.006 MG/L		J			
CALCIUM				170 MG/L		-				158 MG/L		J			
CHROMIUM				.02 MG/L		U				.032 MG/L		J			
COPPER				.01 MG/L		U				.013 MG/L		J			
IRON				4.96 MG/L		-				4.43 MG/L		J			
LEAD				.05 MG/L		UJ				.002 MG/L		UJ			
MAGNESIUM				37.1 MG/L		-				30.6 MG/L		J			
MANGANESE				.346 MG/L		-				.288 MG/L		J			
MERCURY				.0002 MG/L		U				.0002 MG/L		UJ			
MOLYBDENUM				.02 MG/L		U				.02 MG/L		UJ			
NICKEL				.02 MG/L		U				.02 MG/L		UJ			
POTASSIUM				1.65 MG/L		J				1.28 MG/L		J			

SAMPLE NUMBER:	EMGW_SYSGEN_482			003104			003104			003843			003843		
LAB:	WMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.2 MG/L		U				.002 MG/L		UJ			
SILVER				.01 MG/L		UJ				.0005 MG/L		UJ			
SODIUM				9.91 MG/L		-				9.65 MG/L		J			
RADIONUCLIDES															
URANIUM-238							2.1 PCI/L	.7	J				1 PCI/L		U
URANIUM, TOTAL	15 UG/L		NV				6 UG/L	1	R				2 UG/L	1	J
URANIUM-234							2.7 PCI/L	.8	J				1 PCI/L		U
THORIUM-230							1 PCI/L		U				1 PCI/L		U
RADIUM-226							1 PCI/L		U				1 PCI/L		U
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-232							1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL													3 UG/L		U
RADIUM-228							3 PCI/L		U				3 PCI/L		U
THORIUM-228							1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237							1 PCI/L		R				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		U				1 PCI/L		U
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003374	003374	003375	003375	EMGW_SYSGEN_477
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	GWMON
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2024	2024	2024	2024	2024
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-JUL-88	26-JUL-88	26-JUL-88	26-JUL-88	31-MAY-90
NORTH COORDINATE:	482487.51	482487.51	482487.51	482487.51	482487.51
EAST COORDINATE:	1378880.72	1378880.72	1378880.72	1378880.72	1378880.72
QA TYPE:	NORMAL	NORMAL	DUPLICATE	DUPLICATE	NORMAL
QC OF:			003374	003374	
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.1 MG/L		U			
CHLORIDE				21 MG/L		-				22 MG/L		-			
FLUORIDE				1.5 MG/L		-				1.2 MG/L		-			
NITRATE				.1 MG/L		R				.1 MG/L		R			
PHENOLS				.05 MG/L		U				.05 MG/L		U			
PHOSPHORUS				.03 MG/L		-				.32 MG/L		-			
SULFATE				310 MG/L		-				300 MG/L		-			
TOTAL ORGANIC NITROGEN				.1 MG/L		U				.1 MG/L		U			
INORGANICS															
ARSENIC	.01 MG/L		UJ				.01 MG/L		UJ						
BARIUM	.2 MG/L		UJ				.2 MG/L		UJ						
CADMIUM	.005 MG/L		UJ				.005 MG/L		UJ						
CALCIUM	200 MG/L		-				200 MG/L		-						
CHROMIUM	.01 MG/L		UJ				.01 MG/L		UJ						
COPPER	.025 MG/L		UJ				.025 MG/L		UJ						
IRON	6.2 MG/L		J				6.1 MG/L		J						
LEAD	.2 MG/L		UJ				.2 MG/L		UJ						
MAGNESIUM	43 MG/L		-				43 MG/L		-						
MANGANESE	.42 MG/L		J				.41 MG/L		J						
MERCURY	.0005 MG/L		-				.0004 MG/L		-						
MOLYBDENUM	.05 MG/L		U				.05 MG/L		U						
NICKEL	.04 MG/L		UJ				.04 MG/L		UJ						
POTASSIUM	5 MG/L		UJ				5 MG/L		UJ						
SELENIUM	.005 MG/L		UJ				.005 MG/L		UJ						
SILVER	.01 MG/L		UJ				.01 MG/L		UJ						

SAMPLE NUMBER:	EMGW_SYSGEN_477			003750			003750			003186			003186		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM				.02 MG/L		U				.02 MG/L		U			
NICKEL				.02 MG/L		U				.02 MG/L		U			
POTASSIUM				2.57 MG/L		-				2.16 MG/L		-			
SELENIUM				.002 MG/L		UJ				.2 MG/L		U			
SILVER				.0005 MG/L		UJ				.02 MG/L		U			
SODIUM				11.7 MG/L		-				26.7 MG/L		-			
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL							1 UG/L		U				1 UG/L		U
URANIUM-234							1 PCI/L		U				1 PCI/L		U
THORIUM-230							1 PCI/L		U				1 PCI/L		U
RADIUM-226							1 PCI/L		U				1 PCI/L		U
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-232							1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL							3 UG/L		U						
RADIUM-228							3 PCI/L		U				5 PCI/L	1.7	J
THORIUM-228							1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		U				1 PCI/L		U
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												

000956

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SAMPLE NUMBER:	EMGW_SYSGEN_477			003750			003750			003186			003186		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003187	003187	003980	003980	003505
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2026	2026	2026	2026	2026
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-MAY-88	12-MAY-88	14-MAR-89	14-MAR-89	17-AUG-88
NORTH COORDINATE:	487121.81	487121.81	487121.81	487121.81	487121.81
EAST COORDINATE:	1391612.98	1391612.98	1391612.98	1391612.98	1391612.98
QA TYPE:	DUPLICATE	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:	003186	003186			
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		UJ				.1 MG/L		UJ			
CHLORIDE				45.4 MG/L		J				120 MG/L		J			
FLUORIDE				.35 MG/L		-				.2 MG/L		J			
NITRATE				8.9 MG/L		J				8.4 MG/L		J			
PHENOLS				.01 MG/L		J				.009 MG/L		J			
PHOSPHORUS				.05 MG/L		U				.01 MG/L		J			
SULFATE				40 MG/L		-				40 MG/L		J			
TOTAL KJELDAHL NITROGEN										.2 MG/L		UJ			
TOTAL ORGANIC HALIDES										.05 MG/L		UJ			
TOTAL ORGANIC NITROGEN				.1 MG/L		UJ				.1 MG/L		J			
INORGANICS															
ARSENIC	.3 MG/L		-				.003 MG/L		UJ				.55 MG/L		-
BARIUM	.06 MG/L		-				.073 MG/L		J				.055 MG/L		-
CADMIUM	.005 MG/L		U				.005 MG/L		UJ				.002 MG/L		U
CALCIUM	86.7 MG/L		-				110 MG/L		J				91.8 MG/L		-
CHROMIUM	.02 MG/L		U				.02 MG/L		J				.02 MG/L		U
COPPER	.01 MG/L		U				.02 MG/L		J				.01 MG/L		U
IRON	.05 MG/L		U				.02 MG/L		UJ				.005 MG/L		U
LEAD	.05 MG/L		U				.002 MG/L		UJ				.05 MG/L		U
MAGNESIUM	28.3 MG/L		-				33 MG/L		J				30 MG/L		-
MANGANESE	.02 MG/L		U				.005 MG/L		UJ				.001 MG/L		U
MERCURY	.0002 MG/L		U				.0002 MG/L		UJ				.0002 MG/L		UJ
MOLYBDENUM	.02 MG/L		U				.01 MG/L		J				.02 MG/L		U
NICKEL	.02 MG/L		U				.03 MG/L		UJ				.02 MG/L		U
POTASSIUM	2.25 MG/L		-				2.7 MG/L		J				2.4 MG/L		-

SAMPLE NUMBER:	003187			003187			003980			003980			003505		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.2 MG/L		U				.005 MG/L		UJ				.2 MG/L		U
SILVER	.02 MG/L		U				.01 MG/L		UJ				.033 MG/L		-
SODIUM	27.1 MG/L		-				55 MG/L		J				21.5 MG/L		-
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		U			
URANIUM, TOTAL				1 UG/L		U				1 UG/L		U			
URANIUM-234				1 PCI/L		U				1 PCI/L		U			
THORIUM-230				1 PCI/L		U				1 PCI/L		U			
RADIUM-226				1 PCI/L		U				1 PCI/L		U			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL										8 UG/L		UJ			
RADIUM-228				4 PCI/L	1.4	J				3 PCI/L		U			
THORIUM-228				1 PCI/L		U				1 PCI/L		U			
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003505			003731			003731			EMGW_SYSGEN_491			EMGW_SYSGEN_491		
TASK:	3.2.4			3.2.4			3.2.4			GWMON			GWMON		
LAB:	IT			IT			IT			IT			NET		
WELL OR BORING NUMBER:	2026			2027			2027			2027			2027		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	17-AUG-88			01-DEC-88			01-DEC-88			01-NOV-90			01-NOV-90		
NORTH COORDINATE:	487121.81			481969.29			481969.29			481969.29			481969.29		
EAST COORDINATE:	1391612.98			1379317.37			1379317.37			1379317.37			1379317.37		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		-				.643 MG/L		-						
CHLORIDE	41 MG/L		J				75 MG/L		-						
FLUORIDE	.23 MG/L		-				.17 MG/L		-						
NITRATE	16 MG/L		J				.1 MG/L		UJ						
PHENOLS	.03 MG/L		J				.01 MG/L		U						
PHOSPHORUS	.05 MG/L		U				26.4 MG/L		-						
SULFATE	24 MG/L		J				158 MG/L		-						
TOTAL KJELDAHL NITROGEN							5 MG/L		-						
TOTAL ORGANIC HALIDES	.05 MG/L		U				.05 MG/L		U						
TOTAL ORGANIC NITROGEN	.1 MG/L		-				4.36 MG/L		-						
INORGANICS															
ALUMINUM													.5 MG/L		UNV
ANTIMONY													.025 MG/L		UNV
ARSENIC				.002 MG/L		R							.0025 MG/L		UNV
BARIUM				.059 MG/L		-							.2 MG/L		UNV
BERYLLIUM													.01 MG/L		UNV
CADMIUM				.002 MG/L		U							.001 MG/L		UNV
CALCIUM				106 MG/L		-							114 MG/L		NV
CHROMIUM				.02 MG/L		U									
COBALT													.025 MG/L		UNV
COPPER				.01 MG/L		U							.025 MG/L		UNV
IRON				3.28 MG/L		-							3.99 MG/L		NV
LEAD				.002 MG/L		R							.005 MG/L		UNV
MAGNESIUM				27.3 MG/L		-							23 MG/L		NV
MANGANESE				.613 MG/L		-							.709 MG/L		NV

SAMPLE NUMBER:	003505			003731			003731			EMGW_SYSGEN_491			EMGW_SYSGEN_491		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MERCURY				.0002 MG/L		U							.0002 MG/L		UNV
MOLYBDENUM				.026 MG/L		-							.025 MG/L		UNV
NICKEL				.02 MG/L		U							.005 MG/L		UNV
POTASSIUM				2.49 MG/L		-							5.18 MG/L		NV
SELENIUM				.002 MG/L		R							.0025 MG/L		UNV
SILVER				.0005 MG/L		U							.001 MG/L		UNV
SODIUM				10.9 MG/L		-							42.68 MG/L		NV
THALLIUM													.01 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				2.6 PCI/L	.5	R	3.45 PCI/L		NV			
URANIUM, TOTAL	.3 UG/L	.1	-				6 UG/L	1	U	7.73 UG/L		NV			
URANIUM-234	1 PCI/L		U				2.9 PCI/L	.5	R	4.56 PCI/L		NV			
THORIUM-230	1 PCI/L		U				1 PCI/L		UJ	1.28 PCI/L		NV			
RADIUM-226	1 PCI/L		U				1 PCI/L		U	1 PCI/L		UNV			
URANIUM-235/236	1 PCI/L		U				1 PCI/L		UJ	.672 PCI/L		NV			
THORIUM-232	1 PCI/L		U				1 PCI/L		UJ	.57 PCI/L		UNV			
THORIUM, TOTAL	3 UG/L		U				11 UG/L		U	5.2 UG/L		UNV			
RADIUM-228	3 PCI/L		U				3 PCI/L		U	3 PCI/L		UNV			
THORIUM-228	1 PCI/L		U				1 PCI/L		UJ	1.32 PCI/L		NV			
NEPTUNIUM-237	1 PCI/L		UJ				1 PCI/L		UJ						
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		UJ	.5 PCI/L		UNV			
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		UJ	.5 PCI/L		UNV			
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U	1 PCI/L		UNV			
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U	16 PCI/L		UNV			
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R	150 PCI/L		UNV			
CESIUM-137	20 PCI/L		R				20 PCI/L		R	8.4 PCI/L		UNV			
GROSS ALPHA										17 PCI/L		UNV			
GROSS BETA										21.6 PCI/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_491	EMGW_SYSGEN_490	EMGW_SYSGEN_490	EMGW_SYSGEN_490	EMGW_SYSGEN_495
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	IT	NET	NET	NET
WELL OR BORING NUMBER:	2027	2027	2027	2027	2027
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-NOV-90	02-AUG-90	02-AUG-90	02-AUG-90	02-JUL-91
NORTH COORDINATE:	481969.29	481969.29	481969.29	481969.29	481969.29
EAST COORDINATE:	1379317.37	1379317.37	1379317.37	1379317.37	1379317.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	360 MG/L		NV												
AMMONIA	.17 MG/L		NV												
CHLORIDE	107 MG/L		NV							70 MG/L		NV			
FLUORIDE	.32 MG/L		NV							.46 MG/L		NV			
NITRATE, AS NITROGEN										.13 MG/L		NV			
NITRATE/NITRITE	.07 MG/L		NV												
PH	6.78 SU		NV							.006 MG/L		NV			
PHENOLS	.005 MG/L		UNV							.006 MG/L		NV			
PHOSPHORUS	4.57 MG/L		NV												
SPECIFIC CONDUCTIVITY	1360 UMHOS/CM		NV												
SULFATE	642 MG/L		NV							404 MG/L		NV			
TOTAL DISSOLVED SOLIDS	1170 MG/L		NV												
TOTAL ORGANIC CARBON	1 MG/L		NV							1 MG/L		NV			
TOTAL ORGANIC HALOGENS	.107 MG/L		NV							.021 MG/L		NV			
INORGANICS															
ALUMINUM	4.18 MG/L		NV				.5 MG/L		UNV	4.12 MG/L		NV	.2 MG/L		UNV
ANTIMONY	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		UNV
ARSENIC	.041 MG/L		NV				.0025 MG/L		UNV	.043 MG/L		NV	.005 MG/L		UNV
BARIUM	.457 MG/L		NV				.2 MG/L		UNV	.487 MG/L		NV	.2 MG/L		UNV
BERYLLIUM	.011 MG/L		NV				.01 MG/L		UNV	.01 MG/L		UNV	.05 MG/L		UNV
CADMIUM	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	223 MG/L		NV				100 MG/L		NV	183 MG/L		NV	116 MG/L		NV
CHROMIUM	.005 MG/L		UNV							.005 MG/L		UNV			
COBALT	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV	.005 MG/L		UNV
COPPER	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_491			EMGW_SYSGEN_490			EMGW_SYSGEN_490			EMGW_SYSGEN_490			EMGW_SYSGEN_495		
LAB:	NET			IT			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE	.005 MG/L		UNV												
IRON	64.2 MG/L		NV				1.97 MG/L		NV	77.8 MG/L		NV	3.98 MG/L		NV
LEAD	.014 MG/L		NV				.005 MG/L		UNV	.006 MG/L		NV	.005 MG/L		UNV
MAGNESIUM	69 MG/L		NV				48.8 MG/L		NV	61 MG/L		NV	3.5 MG/L		NV
MANGANESE	1.77 MG/L		NV				.564 MG/L		NV	1.33 MG/L		NV	.52 MG/L		NV
MERCURY	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		UNV
NICKEL	.017 MG/L		NV				.005 MG/L		UNV	.014 MG/L		NV	.01 MG/L		UNV
POTASSIUM	6.48 MG/L		NV				4.52 MG/L		NV	5.22 MG/L		NV	7.3 MG/L		NV
SELENIUM	.0025 MG/L		UNV				.0025 MG/L		UNV	.0025 MG/L		UNV	.005 MG/L		UNV
SILVER	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	37.3 MG/L		NV				36 MG/L		NV	37 MG/L		NV	50 MG/L		NV
THALLIUM	.001 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.044 MG/L		NV				.02 MG/L		UNV	.028 MG/L		NV	.027 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				3.52 PCI/L		NV									
URANIUM, TOTAL				8.5 UG/L		NV									
URANIUM-234				3.39 PCI/L		NV									
THORIUM-230				.64 PCI/L		UNV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.29 PCI/L		UNV									
THORIUM-232				.64 PCI/L		UNV									
THORIUM, TOTAL				5.7 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				.64 PCI/L		UNV									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,1,2-TRICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_491			EMGW_SYSGEN_490			EMGW_SYSGEN_490			EMGW_SYSGEN_490			EMGW_SYSGEN_495		
LAB:	NET			IT			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,1-DICHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV							1 UG/L		UNV			
2-BUTANONE	2 UG/L		UNV							2 UG/L		UNV			
2-HEXANONE	2 UG/L		UNV							2 UG/L		UNV			
4-METHYL-2-PENTANONE	2 UG/L		UNV							2 UG/L		UNV			
ACETONE	2 UG/L		UNV							2 UG/L		UNV			
BENZENE	1 UG/L		UNV							1 UG/L		UNV			
BROMODICHLOROMETHANE	1 UG/L		UNV							1 UG/L		UNV			
BROMOFORM	1 UG/L		UNV							1 UG/L		UNV			
BROMOMETHANE	1 UG/L		UNV							1 UG/L		UNV			
CARBON DISULFIDE	1 UG/L		UNV							1 UG/L		UNV			
CARBON TETRACHLORIDE	1 UG/L		UNV							1 UG/L		UNV			
CHLOROBENZENE	1 UG/L		UNV							1 UG/L		UNV			
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV							1 UG/L		UNV			
CHLOROMETHANE	1 UG/L		UNV							1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV							1 UG/L		UNV			
DIBROMOCHLOROMETHANE	1 UG/L		UNV							1 UG/L		UNV			
ETHYLBENZENE	1 UG/L		UNV							1 UG/L		UNV			
METHYLENE CHLORIDE	1 UG/L		UNV							1 UG/L		UNV			
STYRENE	1 UG/L		UNV							1 UG/L		UNV			
TETRACHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
TOLUENE	1 UG/L		UNV							1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV							1 UG/L		UNV			
TRICHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
VINYL ACETATE	2 UG/L		UNV							2 UG/L		UNV			
VINYL CHLORIDE	1 UG/L		UNV							1 UG/L		UNV			
XYLENES, TOTAL	1 UG/L		UNV							1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_495	EMGW_SYSGEN_495	EMGW_SYSGEN_493	EMGW_SYSGEN_493	EMGW_SYSGEN_493
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	WMCO	IT	NET	NET
WELL OR BORING NUMBER:	2027	2027	2027	2027	2027
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-JUL-91	02-JUL-91	04-FEB-91	04-FEB-91	04-FEB-91
NORTH COORDINATE:	481969.29	481969.29	481969.29	481969.29	481969.29
EAST COORDINATE:	1379317.37	1379317.37	1379317.37	1379317.37	1379317.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	352 MG/L		NV										365 MG/L		NV
AMMONIA	.06 MG/L		NV										.15 MG/L		NV
CHLORIDE	31 MG/L		NV										55 MG/L		NV
FLUORIDE	.97 MG/L		NV										.62 MG/L		NV
NITRATE, AS NITROGEN	.19 MG/L		NV										.18 MG/L		NV
PH	7.14 SU		NV										7.11 SU		NV
PHENOLS	.005 MG/L		UNV										.005 MG/L		NV
PHOSPHORUS	3.11 MG/L		NV										7.62 MG/L		NV
SPECIFIC CONDUCTIVITY	946 UMHOS/CM		NV										1050 UMHOS/CM		NV
SULFATE	180 MG/L		NV										195 MG/L		NV
TOTAL DISSOLVED SOLIDS	630 MG/L		NV										706 MG/L		NV
TOTAL ORGANIC CARBON	19 MG/L		NV										8 MG/L		NV
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV										.03 MG/L		NV
INORGANICS															
ALUMINUM	.2 MG/L		UNV							.5 MG/L		UNV	.84 MG/L		NV
ANTIMONY	.02 MG/L		UNV							.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC	.026 MG/L		NV							.0025 MG/L		UNV	.037 MG/L		NV
BARIUM	.3 MG/L		NV							.2 MG/L		UNV	.398 MG/L		NV
BERYLLIUM	.05 MG/L		UNV							.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM	.001 MG/L		UNV							.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	132 MG/L		NV							124 MG/L		NV	299 MG/L		NV
CHROMIUM	.0035 MG/L		NV										.008 MG/L		NV
COBALT	.005 MG/L		UNV							.025 MG/L		UNV	.025 MG/L		UNV
COPPER	.02 MG/L		UNV							.025 MG/L		UNV	.025 MG/L		UNV
CYANIDE	.005 MG/L		UNV										.005 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_495			EMGW_SYSGEN_495			EMGW_SYSGEN_493			EMGW_SYSGEN_493			EMGW_SYSGEN_493		
LAB:	NET			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	51.4 MG/L		NV							.908 MG/L		NV	95.9 MG/L		NV
LEAD	.005 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM	4.4 MG/L		NV							38.6 MG/L		NV	39 MG/L		NV
MANGANESE	.241 MG/L		NV							.305 MG/L		NV	1.12 MG/L		NV
MERCURY	.0002 MG/L		UNV							.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.01 MG/L		UNV							.025 MG/L		UNV	.025 MG/L		UNV
NICKEL	.01 MG/L		UNV							.005 MG/L		UNV	.006 MG/L		NV
POTASSIUM	1.8 MG/L		NV							3.11 MG/L		NV	3.66 MG/L		NV
SELENIUM	.005 MG/L		UNV							.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER	.001 MG/L		UNV							.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	20 MG/L		NV							29.2 MG/L		NV	31.9 MG/L		NV
THALLIUM	.01 MG/L		UNV							.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV							.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.035 MG/L		NV							.02 MG/L		UNV	.031 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238							1.59 PCI/L		NV						
URANIUM, TOTAL				2.1 UG/L		NV	5.83 UG/L		NV						
URANIUM-234							1.93 PCI/L		NV						
THORIUM-230							.824 PCI/L		NV						
RADIUM-226							1.63 PCI/L		NV						
URANIUM-235/236							.24 PCI/L		NV						
THORIUM-232							.65 PCI/L		UNV						
THORIUM, TOTAL							5.9 UG/L		UNV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							1.45 PCI/L		NV						
NEPTUNIUM-237							.5 PCI/L		UNV						
PLUTONIUM-239/240							.5 PCI/L		UNV						
PLUTONIUM-238							.5 PCI/L		UNV						
TECHNETIUM-99							15 PCI/L		UNV						
RUTHENIUM-106							170 PCI/L		UNV						
CESIUM-137							12 PCI/L		UNV						
GROSS ALPHA							21 PCI/L		UNV						
GROSS BETA							13 PCI/L		UNV						
SEMIVOLATILES															

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2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV										10 UG/L		UNV
SAMPLE NUMBER:	EMGW_SYSGEN_495			EMGW_SYSGEN_495			EMGW_SYSGEN_493			EMGW_SYSGEN_493			EMGW_SYSGEN_493		
LAB:	NET			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1,2-TRICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1-DICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1-DICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROPROPANE	1 UG/L		UNV										1 UG/L		UNV
2-BUTANONE	2 UG/L		UNV										2 UG/L		UNV
2-HEXANONE	2 UG/L		UNV										2 UG/L		UNV
4-METHYL-2-PENTANONE	2 UG/L		UNV										2 UG/L		UNV
ACETONE	2 UG/L		UNV										2 UG/L		UNV
BENZENE	1 UG/L		UNV										1 UG/L		UNV
BROMODICHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
BROMOFORM	1 UG/L		UNV										1 UG/L		UNV
BROMOMETHANE	1 UG/L		UNV										1 UG/L		UNV
CARBON DISULFIDE	1 UG/L		UNV										1 UG/L		UNV
CARBON TETRACHLORIDE	1 UG/L		UNV										1 UG/L		UNV
CHLOROBENZENE	1 UG/L		UNV										1 UG/L		UNV
CHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
CHLOROFORM	1 UG/L		UNV										1 UG/L		UNV
CHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV										1 UG/L		UNV
DIBROMOCHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
ETHYLBENZENE	1 UG/L		UNV										1 UG/L		UNV
METHYLENE CHLORIDE	1 UG/L		UNV										1 UG/L		UNV
STYRENE	1 UG/L		UNV										1 UG/L		UNV
TETRACHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
TOLUENE	1 UG/L		UNV										1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV										1 UG/L		UNV
TRICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
VINYL ACETATE	2 UG/L		UNV										2 UG/L		UNV
VINYL CHLORIDE	1 UG/L		UNV										1 UG/L		UNV
XYLENES, TOTAL	1 UG/L		UNV										1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003941	003941	003168	003168	003168
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT/MWL
WELL OR BORING NUMBER:	2027	2027	2027	2027	2027
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-MAR-89	08-MAR-89	09-MAY-88	09-MAY-88	09-MAY-88
NORTH COORDINATE:	481969.29	481969.29	481969.29	481969.29	481969.29
EAST COORDINATE:	1379317.37	1379317.37	1379317.37	1379317.37	1379317.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	R-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.6 MG/L		J				.1 MG/L		J			
CHLORIDE				79 MG/L		J				79.9 MG/L		-			
FLUORIDE				.2 MG/L		J				.3 MG/L		-			
NITRATE				.02 MG/L		UJ				.1 MG/L		U			
PHENOLS				.034 MG/L		J				.01 MG/L		U			
PHOSPHORUS				.02 MG/L		J				.575 MG/L		-			
SULFATE				250 MG/L		J				645 MG/L		-			
TOTAL KJELDAHL NITROGEN				1.6 MG/L		J									
TOTAL ORGANIC HALIDES				.05 MG/L		UJ									
TOTAL ORGANIC NITROGEN				1 MG/L		J				.1 MG/L		U			
INORGANICS															
ALUMINUM							.0114 MG/L		U						
ANTIMONY							.0467 MG/L		U						
ARSENIC	.003 MG/L		UJ				.0019 MG/L		U						
BARIUM	.082 MG/L		J				.105 MG/L		-						
BERYLLIUM							.0024 MG/L		U						
CADMIUM	.005 MG/L		UJ				.0007 MG/L		U						
CALCIUM	210 MG/L		J				274 MG/L		-						
CHROMIUM	.03 MG/L		J				.0017 MG/L		U						
COBALT							.0052 MG/L		U						
COPPER	.01 MG/L		UJ				.0067 MG/L		U						
CYANIDE										.01 MG/L		U			
IRON	4.7 MG/L		J				8.06 MG/L		-						
LEAD	.002 MG/L		UJ				.0021 MG/L		U						
MAGNESIUM	44 MG/L		J				49.8 MG/L		-						

SAMPLE NUMBER:	003941			003941			003168			003168			003168		
LAB:	IT			IT			IT			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			R-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE	.48 MG/L		J				.461 MG/L		-						
MERCURY	.0002 MG/L		UJ				.0002 MG/L		UJ						
MOLYBDENUM	.01 MG/L		J				.0333 MG/L		U						
NICKEL	.03 MG/L		UJ				.0123 MG/L		U						
POTASSIUM	6.4 MG/L		J				3.69 MG/L		-						
SELENIUM	.002 MG/L		UJ				.0018 MG/L		U						
SILVER	.01 MG/L		UJ				.0043 MG/L		U						
SODIUM	29 MG/L		J				30.6 MG/L		-						
THALLIUM							.0041 MG/L		UJ						
VANADIUM							.0034 MG/L		U						
ZINC							.228 MG/L		-						
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL										5 UG/L		UJ			
DEMETON										1 UG/L		UJ			
DIAZINON										.5 UG/L		UJ			
DISULFOTON										.5 UG/L		UJ			
ETHION										.5 UG/L		UJ			
MALATHION										1 UG/L		UJ			
METHYL PARATHION										1 UG/L		UJ			
PARATHION										.5 UG/L		UJ			
PESTICIDES															
4,4'-DDD										.1 UG/L		UJ			
4,4'-DDE										.1 UG/L		UJ			
4,4'-DDT										.1 UG/L		UJ			
ALDRIN										.05 UG/L		UJ			
ALPHA-BHC										.05 UG/L		UJ			
ALPHA-CHLORDANE										1 UG/L		UJ			
AROCLOR-1016										.5 UG/L		UJ			
AROCLOR-1221										.5 UG/L		UJ			
AROCLOR-1232										.5 UG/L		UJ			
AROCLOR-1242										.5 UG/L		UJ			
AROCLOR-1248										.5 UG/L		UJ			
AROCLOR-1254										1 UG/L		UJ			
AROCLOR-1260										1 UG/L		UJ			
BETA-BHC										.05 UG/L		UJ			
DELTA-BHC										.05 UG/L		UJ			
DIELDRIN										.1 UG/L		UJ			
ENDOSULFAN II										.1 UG/L		UJ			

SAMPLE NUMBER:	003941			003941			003168			003168			003168		
LAB:	IT			IT			IT			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			R-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDOSULFAN SULFATE										.5 UG/L		UJ			
ENDOSULFAN-I										.05 UG/L		UJ			
ENDRIN										.1 UG/L		UJ			
ENDRIN KETONE										.5 UG/L		UJ			
GAMMA-BHC (LINDANE)										.05 UG/L		UJ			
GAMMA-CHLORDANE										.5 UG/L		UJ			
HEPTACHLOR										.05 UG/L		UJ			
HEPTACHLOR EPOXIDE										.05 UG/L		UJ			
METHOXYCHLOR										.5 UG/L		UJ			
TOXAPHENE										.5 UG/L		UJ			
RADIONUCLIDES															
URANIUM-238				2.4 PCI/L	.5	J				2 PCI/L	.6	-			
URANIUM, TOTAL				7 UG/L	1	-				6 UG/L	1	-			
URANIUM-234				3.3 PCI/L	.6	J				1.6 PCI/L	.5	-			
THORIUM-230				1 PCI/L		U				1 PCI/L		U			
RADIUM-226				1 PCI/L		U				1.6 PCI/L	.8	-			
URANIUM-235/236				1 PCI/L		UJ				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL				4 UG/L		U									
RADIUM-228				3 PCI/L		UJ				3 PCI/L		R			
THORIUM-228				1 PCI/L		U				1 PCI/L		U			
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		UJ				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		UJ
1,2-DICHLOROBENZENE													10 UG/L		UJ
1,3-DICHLOROBENZENE													10 UG/L		UJ
1,4-DICHLOROBENZENE													10 UG/L		UJ
2,4,5-TRICHLOROPHENOL													50 UG/L		UJ
2,4,6-TRICHLOROPHENOL													10 UG/L		UJ
2,4-DICHLOROPHENOL													10 UG/L		UJ
2,4-DIMETHYLPHENOL													10 UG/L		UJ
2,4-DINITROPHENOL													50 UG/L		UJ

SAMPLE NUMBER:	003941			003941			003168			003168			003168		
LAB:	IT			IT			IT			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			R-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DINITROTOLUENE													10 UG/L		UJ
2,6-DINITROTOLUENE													10 UG/L		UJ
2-CHLORONAPHTHALENE													10 UG/L		UJ
2-CHLOROPHENOL													10 UG/L		UJ
2-METHYLNAPHTHALENE													10 UG/L		UJ
2-METHYLPHENOL													10 UG/L		UJ
2-NITROANILINE													50 UG/L		UJ
2-NITROPHENOL													10 UG/L		UJ
3,3'-DICHLOROBENZIDINE													20 UG/L		UJ
3-NITROANILINE													50 UG/L		UJ
4,6-DINITRO-2-METHYLPHENOL													50 UG/L		UJ
4-BROMOPHENYL PHENYL ETHER													10 UG/L		UJ
4-CHLORO-3-METHYLPHENOL													10 UG/L		UJ
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		UJ
4-METHYLPHENOL													10 UG/L		UJ
4-NITROANILINE													50 UG/L		UJ
4-NITROPHENOL													50 UG/L		UJ
ACENAPHTHENE													10 UG/L		UJ
ACENAPHTHYLENE													10 UG/L		UJ
ANTHRACENE													10 UG/L		UJ
BENZO(A)ANTHRACENE													10 UG/L		UJ
BENZO(A)PYRENE													10 UG/L		UJ
BENZO(B)FLUORANTHENE													10 UG/L		UJ
BENZO(G,H,I)PERYLENE													10 UG/L		UJ
BENZO(K)FLUORANTHENE													10 UG/L		UJ
BENZOIC ACID													50 UG/L		UJ
BENZYL ALCOHOL													10 UG/L		UJ
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		UJ
BIS(2-CHLOROETHYL)ETHER													10 UG/L		UJ
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		UJ
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		UJ
BUTYL BENZYL PHTHALATE													10 UG/L		UJ
CHRYSENE													10 UG/L		UJ
DI-N-BUTYL PHTHALATE													10 UG/L		UJ
DI-N-OCTYL PHTHALATE													10 UG/L		UJ
DIBENZO(A,H)ANTHRACENE													10 UG/L		UJ
DIBENZOFURAN													10 UG/L		UJ
DIETHYL PHTHALATE													10 UG/L		UJ
DIMETHYL PHTHALATE													10 UG/L		UJ
FLUORANTHENE													10 UG/L		UJ
FLUORENE													10 UG/L		UJ

SAMPLE NUMBER:	003941			003941			003168			003168			003168		
LAB:	IT			IT			IT			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			R-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
HEXACHLOROBENZENE													10 UG/L		UJ
HEXACHLOROBUTADIENE													10 UG/L		UJ
HEXACHLOROCYCLOPENTADIENE													10 UG/L		UJ
HEXACHLOROETHANE													10 UG/L		UJ
INDENO(1,2,3-CD)PYRENE													10 UG/L		UJ
ISOPHORONE													10 UG/L		UJ
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		UJ
N-NITROSODIPHENYLAMINE													10 UG/L		UJ
NAPHTHALENE													10 UG/L		UJ
NITROBENZENE													10 UG/L		UJ
P-CHLOROANILINE													10 UG/L		UJ
PENTACHLOROPHENOL													50 UG/L		UJ
PHENANTHRENE													10 UG/L		UJ
PHENOL				.034 MG/L		J				.01 MG/L		U	10 UG/L		UJ
PYRENE													10 UG/L		UJ
VOLATILES															
1,1,1-TRICHLOROETHANE										5 UG/L		UJ			
1,1,2,2-TETRACHLOROETHANE										5 UG/L		UJ			
1,1,2-TRICHLOROETHANE										5 UG/L		UJ			
1,1-DICHLOROETHANE										5 UG/L		UJ			
1,1-DICHLOROETHENE										5 UG/L		UJ			
1,2-DICHLOROETHANE										5 UG/L		UJ			
1,2-DICHLOROETHENE (TOTAL)										5 UG/L		UJ			
1,2-DICHLOROPROPANE										5 UG/L		UJ			
2-BUTANONE										10 UG/L		UJ			
2-HEXANONE										10 UG/L		UJ			
4-METHYL-2-PENTANONE										10 UG/L		UJ			
ACETONE										10 UG/L		UJ			
BENZENE										5 UG/L		UJ			
BROMODICHLOROMETHANE										5 UG/L		UJ			
BROMOFORM										5 UG/L		UJ			
BROMOMETHANE										10 UG/L		UJ			
CARBON DISULFIDE										5 UG/L		UJ			
CARBON TETRACHLORIDE										5 UG/L		UJ			
CHLOROBENZENE										5 UG/L		UJ			
CHLOROETHANE										10 UG/L		UJ			
CHLOROFORM										5 UG/L		UJ			
CHLOROMETHANE										10 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE										5 UG/L		UJ			
DIBROMOCHLOROMETHANE										5 UG/L		UJ			

SAMPLE NUMBER:	003941			003941			003168			003168			003168		
LAB:	IT			IT			IT			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			R-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ETHYLBENZENE										5 UG/L		UJ			
METHYLENE CHLORIDE										5 UG/L		UJ			
STYRENE										5 UG/L		UJ			
TETRACHLOROETHENE										5 UG/L		UJ			
TOLUENE										5 UG/L		UJ			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		UJ			
TRICHLOROETHENE										5 UG/L		UJ			
VINYL ACETATE										10 UG/L		UJ			
VINYL CHLORIDE										10 UG/L		UJ			
XYLENES, TOTAL										5 UG/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_489	EMGW_SYSGEN_489	EMGW_SYSGEN_489	EMGW_SYSGEN_496	EMGW_SYSGEN_496
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	IT	NET	NET	NET	NET
WELL OR BORING NUMBER:	2027	2027	2027	2027	2027
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-MAY-90	09-MAY-90	09-MAY-90	09-OCT-91	09-OCT-91
NORTH COORDINATE:	481969.29	481969.29	481969.29	481969.29	481969.29
EAST COORDINATE:	1379317.37	1379317.37	1379317.37	1379317.37	1379317.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													407 MG/L		NV
AMMONIA													.26 MG/L		NV
CHLORIDE							57 MG/L		NV				85 MG/L		NV
FLUORIDE							.46 MG/L		NV				.44 MG/L		NV
NITRATE, AS NITROGEN							.14 MG/L		NV				.13 MG/L		NV
PH							4 UG/L		UNV				6.86 SU		NV
PHENOLS							.005 MG/L		UNV				.005 MG/L		UNV
PHOSPHORUS													1.24 MG/L		NV
SPECIFIC CONDUCTIVITY													1420 UMHOS/CM		NV
SULFATE							233 MG/L		NV				289 MG/L		NV
TOTAL DISSOLVED SOLIDS													824 MG/L		NV
TOTAL ORGANIC CARBON							3 MG/L		NV				28 MG/L		NV
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV				.015 MG/L		NV
INORGANICS															
ALUMINUM				.05 MG/L		UNV	3.94 MG/L		NV	.2 MG/L		UNV	.2 MG/L		UNV
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		UNV	.175 MG/L		NV
ARSENIC				.0025 MG/L		UNV	.055 MG/L		NV	.005 MG/L		UNV	.0091 MG/L		NV
BARIUM				.2 MG/L		UNV	.634 MG/L		NV	.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM				195 MG/L		NV	189 MG/L		NV	170 MG/L		NV	210 MG/L		NV
CHROMIUM							.022 MG/L		NV				.0042 MG/L		NV
COBALT				.025 MG/L		UNV	.025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
COPPER				.025 MG/L		UNV	.036 MG/L		NV	.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE							.005 MG/L		UNV				.005 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_489			EMGW_SYSGEN_489			EMGW_SYSGEN_489			EMGW_SYSGEN_496			EMGW_SYSGEN_496		
LAB:	IT			NET			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				1.82 MG/L		NV	69.6 MG/L		NV	3.4 MG/L		NV	24 MG/L		NV
LEAD				.005 MG/L		UNV	.015 MG/L		NV	.003 MG/L		UNV	.003 MG/L		UNV
MAGNESIUM				46 MG/L		NV	70 MG/L		NV	35 MG/L		NV	58 MG/L		NV
MANGANESE				.79 MG/L		NV	1.57 MG/L		NV	.617 MG/L		NV	1.49 MG/L		NV
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV
NICKEL				.005 MG/L		UNV	.022 MG/L		NV	.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM				5.53 MG/L		NV	6.4 MG/L		NV	6.2 MG/L		NV	5.9 MG/L		NV
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV
SODIUM				39.4 MG/L		NV	25.7 MG/L		NV	39 MG/L		NV	38 MG/L		NV
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV
ZINC				.02 MG/L		UNV	.061 MG/L		NV	.053 MG/L		NV	.067 MG/L		NV
MISC															
3-METHYLPHENOL							4 UG/L		UNV						
DIPHENYLAMINE							15 UG/L		UNV						
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
PESTICIDES															
4,4'-DDD							.2 UG/L		UNV						
4,4'-DDE							.2 UG/L		UNV						
4,4'-DDT							.2 UG/L		UNV						
ALDRIN							.2 UG/L		UNV						
ALPHA-BHC							.2 UG/L		UNV						
AROCLOR-1016							.2 UG/L		UNV						
AROCLOR-1221							.2 UG/L		UNV						
AROCLOR-1232							.2 UG/L		UNV						
AROCLOR-1242							.2 UG/L		UNV						
AROCLOR-1248							.2 UG/L		UNV						
AROCLOR-1254							.2 UG/L		UNV						
AROCLOR-1260							.2 UG/L		UNV						
BETA-BHC							.2 UG/L		UNV						
CHLORDANE							.2 UG/L		UNV						
DELTA-BHC							.2 UG/L		UNV						
DIELDRIN							.2 UG/L		UNV						
ENDOSULFAN II							.2 UG/L		UNV						
ENDOSULFAN SULFATE							.2 UG/L		UNV						
ENDOSULFAN-I							.2 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_489			EMGW_SYSGEN_489			EMGW_SYSGEN_489			EMGW_SYSGEN_496			EMGW_SYSGEN_496		
LAB:	IT			NET			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDRIN							.08 UG/L		UNV						
ENDRIN ALDEHYDE							.2 UG/L		UNV						
GAMMA-BHC (LINDANE)							.2 UG/L		UNV						
HEPTACHLOR							.2 UG/L		UNV						
HEPTACHLOR EPOXIDE							.2 UG/L		UNV						
TOXAPHENE							.5 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	3.42 PCI/L		NV												
URANIUM, TOTAL	10.5 UG/L		NV												
URANIUM-234	3.75 PCI/L		NV												
THORIUM-230	.85 PCI/L		UNV												
RADIUM-226	1.78 PCI/L		NV												
URANIUM-235/236	.27 PCI/L		UNV												
THORIUM-232	.85 PCI/L		UNV												
THORIUM, TOTAL	7.7 UG/L		UNV												
RADIUM-228	3.4 PCI/L		UNV												
THORIUM-228	.85 PCI/L		UNV												
NEPTUNIUM-237	.5 PCI/L		UNV												
PLUTONIUM-239/240	.5 PCI/L		UNV												
PLUTONIUM-238	.5 PCI/L		UNV												
STRONTIUM-90	1 PCI/L		UNV												
TECHNETIUM-99	26 PCI/L		UNV												
RUTHENIUM-106	150 PCI/L		UNV												
CESIUM-137	8 PCI/L		UNV												
GROSS ALPHA	.0195 PCI/L	.0106	NV												
GROSS BETA	.026 PCI/L		UNV												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							4 UG/L		UNV						
1,3-DICHLOROBENZENE							4 UG/L		UNV						
1,4-DICHLOROBENZENE							4 UG/L		UNV						
2,4,5-TRICHLOROPHENOL							4 UG/L		UNV						
2,4,6-TRICHLOROPHENOL							4 UG/L		UNV						
2,4-DICHLOROPHENOL							4 UG/L		UNV						
2,4-DIMETHYLPHENOL							4 UG/L		UNV						
2,4-DINITROPHENOL							4 UG/L		UNV						
2,4-DINITROTOLUENE							15 UG/L		UNV						
2,6-DINITROTOLUENE							15 UG/L		UNV						
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_489			EMGW_SYSGEN_489			EMGW_SYSGEN_489			EMGW_SYSGEN_496			EMGW_SYSGEN_496		
LAB:	IT			NET			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLORONAPHTHALENE							4 UG/L		UNV						
2-CHLOROPHENOL							4 UG/L		UNV						
2-METHYLPHENOL							4 UG/L		UNV						
2-NITROANILINE							15 UG/L		UNV						
2-NITROPHENOL							4 UG/L		UNV						
3,3'-DICHLOROBENZIDINE							15 UG/L		UNV						
3-NITROANILINE							15 UG/L		UNV						
4,6-DINITRO-2-METHYLPHENOL							4 UG/L		UNV						
4-BROMOPHENYL PHENYL ETHER							15 UG/L		UNV						
4-CHLORO-3-METHYLPHENOL							4 UG/L		UNV						
4-CHLOROPHENYLPHENYL ETHER							15 UG/L		UNV						
4-NITROANILINE							15 UG/L		UNV						
4-NITROPHENOL							4 UG/L		UNV						
ACENAPHTHYLENE							4 UG/L		UNV						
ANTHRACENE							4 UG/L		UNV						
BENZO(A)ANTHRACENE							4 UG/L		UNV						
BENZO(A)PYRENE							4 UG/L		UNV						
BENZO(B)FLUORANTHENE							4 UG/L		UNV						
BENZO(G,H,I)PERYLENE							4 UG/L		UNV						
BENZO(K)FLUORANTHENE							4 UG/L		UNV						
BENZOIC ACID							4 UG/L		UNV						
BENZYL ALCOHOL							40 UG/L		UNV						
BIS(2-CHLOROETHOXY)METHANE							15 UG/L		UNV						
BIS(2-CHLOROETHYL)ETHER							15 UG/L		UNV						
BIS(2-CHLOROISOPROPYL) ETHER							15 UG/L		UNV						
BIS(2-ETHYLHEXYL)PHTHALATE							4 UG/L		UNV						
BUTYL BENZYL PHTHALATE							4 UG/L		UNV						
CHRYSENE							4 UG/L		UNV						
DI-N-BUTYL PHTHALATE							4 UG/L		UNV						
DIBENZO(A,H)ANTHRACENE							4 UG/L		UNV						
DIBENZOFURAN							4 UG/L		UNV						
DIETHYL PHTHALATE							4 UG/L		UNV						
DIMETHYL PHTHALATE							4 UG/L		UNV						
FLUORANTHENE							4 UG/L		UNV						
FLUORENE							4 UG/L		UNV						
HEXACHLOROBENZENE							4 UG/L		UNV						
HEXACHLOROBUTADIENE							4 UG/L		UNV						
HEXACHLOROCYCLOPENTADIENE							4 UG/L		UNV						
HEXACHLOROETHANE							4 UG/L		UNV						
INDENO(1,2,3-CD)PYRENE							4 UG/L		UNV						
ISOPHORONE							4 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_489			EMGW_SYSGEN_489			EMGW_SYSGEN_489			EMGW_SYSGEN_496			EMGW_SYSGEN_496		
LAB:	IT			NET			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
N-NITROSO-DI-N-PROPYLAMINE							4 UG/L		UNV						
N-NITROSODIPHENYLAMINE							4 UG/L		UNV						
NAPHTHALENE							4 UG/L		UNV						
NITROBENZENE							4 UG/L		UNV						
P-CHLOROANILINE							4 UG/L		UNV						
PENTACHLOROPHENOL							4 UG/L		UNV						
PHENANTHRENE							4 UG/L		UNV						
PHENOL							4 UG/L		UNV				.005 MG/L		UNV
PYRENE							4 UG/L		UNV						
PYRIDINE							4 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROPROPANE							1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE							2 UG/L		UNV				2 UG/L		UNV
2-HEXANONE							2 UG/L		UNV				2 UG/L		UNV
4-METHYL-2-PENTANONE							2 UG/L		UNV				2 UG/L		UNV
ACETONE							2 UG/L		UNV				2 UG/L		UNV
BENZENE							1 UG/L		UNV				1 UG/L		UNV
BROMODICHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
BROMOFORM							1 UG/L		UNV				1 UG/L		UNV
BROMOMETHANE							1 UG/L		UNV				1 UG/L		UNV
CARBON DISULFIDE							1 UG/L		UNV				1 UG/L		UNV
CARBON TETRACHLORIDE							1 UG/L		UNV				1 UG/L		UNV
CHLOROBENZENE							1 UG/L		UNV				1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM							1 UG/L		UNV				1 UG/L		UNV
CHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
DIBROMOCHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
ETHYLBENZENE							1 UG/L		UNV				1 UG/L		UNV
METHYLENE CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
STYRENE							1 UG/L		UNV				1 UG/L		UNV
TETRACHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
TOLUENE							1 UG/L		UNV				1 UG/L		UNV

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SAMPLE NUMBER:	EMGW_SYSGEN_489			EMGW_SYSGEN_489			EMGW_SYSGEN_489			EMGW_SYSGEN_496			EMGW_SYSGEN_496		
LAB:	IT			NET			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
TRICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE							2 UG/L		UNV				2 UG/L		UNV
VINYL CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
XYLENES, TOTAL							1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_496	003453	003453	003454	003454
TASK:	GWMON	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	WMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	2027	2027	2027	2027	2027
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-OCT-91	10-AUG-88	10-AUG-88	10-AUG-88	10-AUG-88
NORTH COORDINATE:	481969.29	481969.29	481969.29	481969.29	481969.29
EAST COORDINATE:	1379317.37	1379317.37	1379317.37	1379317.37	1379317.37
QA TYPE:	NORMAL	NORMAL	NORMAL	DUPLICATE	DUPLICATE
QC OF:				003453	003453
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.5 MG/L		-				.5 MG/L		-
CHLORIDE							120 MG/L		-				98 MG/L		-
FLUORIDE							1.8 MG/L		-				1.8 MG/L		-
NITRATE							.11 MG/L		J				.1 MG/L		J
PHENOLS							.05 MG/L		U				.05 MG/L		U
SULFATE							300 MG/L		-				310 MG/L		-
TOTAL KJELDAHL NITROGEN							15 MG/L		U				15 MG/L		U
INORGANICS															
ARSENIC				.01 MG/L		U				.01 MG/L		U			
BARIUM				.2 MG/L		U				.2 MG/L		U			
CADMIUM				.005 MG/L		U				.005 MG/L		U			
CALCIUM				210 MG/L		-				210 MG/L		-			
CHROMIUM				.01 MG/L		U				.01 MG/L		U			
COPPER				.03 MG/L		U				.03 MG/L		U			
IRON				6.1 MG/L		-				6 MG/L		-			
LEAD				.005 MG/L		U				.005 MG/L		U			
MAGNESIUM				44 MG/L		-				43 MG/L		-			
MANGANESE				.49 MG/L		-				.48 MG/L		-			
MERCURY				.0003 MG/L		U				.0003 MG/L		U			
MOLYBDENUM				.05 MG/L		U				.05 MG/L		U			
NICKEL				.04 MG/L		U				.04 MG/L		U			
POTASSIUM				5 MG/L		U				5 MG/L		U			
SELENIUM				.005 MG/L		U				.005 MG/L		U			
SILVER				.01 MG/L		U				.01 MG/L		U			
SODIUM				34 MG/L		-				33 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_496			003453			003453			003454			003454		
LAB:	WMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238							2.3 PCI/L	.5	J				3.1 PCI/L	.6	J
URANIUM, TOTAL	5.1 UG/L		NV				6 UG/L	1	-				6 UG/L	1	-
URANIUM-234							2.5 PCI/L	.6	J				2.2 PCI/L	.5	J
THORIUM-230							1 PCI/L		UJ				1 PCI/L		UJ
RADIUM-226							1.2 PCI/L	.4	-				1 PCI/L		U
URANIUM-235/236							1 PCI/L		UJ				1 PCI/L		UJ
THORIUM-232							1 PCI/L		UJ				1 PCI/L		UJ
THORIUM, TOTAL							4 UG/L		UJ				5 UG/L		UJ
RADIUM-228							3 PCI/L		U				3 PCI/L		U
THORIUM-228							1 PCI/L		UJ				1 PCI/L		UJ
NEPTUNIUM-237							1 PCI/L		UJ				1 PCI/L		UJ
PLUTONIUM-239/240							1 PCI/L		UJ				1 PCI/L		UJ
PLUTONIUM-238							1 PCI/L		UJ				1 PCI/L		UJ
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066580			066581			066599			066599			066600		
TASK:	9.25			9.25			9.25			9.25			9.25		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2027			2027			2027			2027			2027		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	10-SEP-89			10-SEP-89			10-SEP-89			10-SEP-89			10-SEP-89		
NORTH COORDINATE:	481969.29			481969.29			481969.29			481969.29			481969.29		
EAST COORDINATE:	1379317.37			1379317.37			1379317.37			1379317.37			1379317.37		
QA TYPE:	NORMAL			DUPLICATE			NORMAL			NORMAL			DUPLICATE		
QC OF:				066580									066599		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,4-DIOXANE										1000 UG/L		U			
GENERAL CHEMISTRY															
CHLORIDE	77 MG/L		J	114 MG/L		J									
FLUORIDE	.5 MG/L		J	.13 MG/L		J									
NITRATE	.1 MG/L		U	.1 MG/L		U									
SULFATE	726 MG/L		J	1320 MG/L		J									
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON	3.33 MG/L		J	1.98 MG/L		J									
TOTAL ORGANIC HALIDES	.028 MG/L		-	.01 MG/L		U									
HERBICIDES															
2,4,5-T										5 UG/L		U			
2,4,5-TP (SILVEX)										.025 UG/L		U			
2,4-D										.05 UG/L		U			
INORGANICS															
ALUMINUM							.275 MG/L		-	.275 MG/L		-	.287 MG/L		-
ANTIMONY							.03 MG/L		U				.03 MG/L		U
ARSENIC							.002 MG/L		U				.002 MG/L		U
BARIUM							.054 MG/L		R	.0537 MG/L		J	.0655 MG/L		-
BERYLLIUM							.0024 MG/L		J	.002 MG/L		R	.0024 MG/L		U
CADMIUM							.0103 MG/L		-				.0193 MG/L		-
CALCIUM							449 MG/L		-	449 MG/L		R	519 MG/L		

SAMPLE NUMBER:	066580			066581			066599			066599			066600		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM							.0377 MG/L		-	.038 MG/L		R	.0359 MG/L		-
COBALT							.0128 MG/L		J	.013 MG/L		R	.0138 MG/L		-
COPPER							.01 MG/L		U	.01 MG/L		UR	.01 MG/L		U
CYANIDE										.005 MG/L		U			
IRON							3.27 MG/L		-	3.27 MG/L		-	9.61 MG/L		J
LEAD							.002 MG/L		UJ	.002 MG/L		UR	.0057 MG/L		J
MAGNESIUM							72.2 MG/L		-	72.2 MG/L		R	81.9 MG/L		-
MANGANESE										1.94 MG/L		-	1.58 MG/L		-
MERCURY										.0002 MG/L		UJ	.0002 MG/L		U
NICKEL							.037 MG/L		R	.0371 MG/L		J	.0373 MG/L		-
OSMIUM										.05 MG/L		U	.05 MG/L		UR
POTASSIUM										4.2 MG/L		J	5.53 MG/L		-
SELENIUM										.002 MG/L		UJ	.002 MG/L		UJ
SILVER							.01 MG/L		UR	.01 MG/L		U	.01 MG/L		U
SODIUM										33.4 MG/L		-	35.1 MG/L		-
THALLIUM										.001 MG/L		U	.001 MG/L		U
TIN										.03 MG/L		U	.03 MG/L		UR
VANADIUM							.044 MG/L		R	.0438 MG/L		J	.0479 MG/L		-
ZINC							.026 MG/L		J	.026 MG/L		R	.108 MG/L		J
MISC															
1,2,3-TRICHLOROPROPANE										5 UG/L		U			
1,2,4,5-TETRACHLOROBENZENE										10 UG/L		U			
1,2-DIBROMO-3-CHLOROPROPANE										10 UG/L		U			
1,2-DIBROMOETHANE										5 UG/L		U			
1,3,5-TRINITROBENZENE										10 UG/L		U			
1,3-DINITROBENZENE										10 UG/L		U			
1,4-NAPHTHOQUINONE										10 UG/L		U			
1-NAPHTHYLAMINE										120 UG/L		UJ			
2,3,4,6-TETRACHLOROPHENOL										10 UG/L		UR			
2,6-DICHLOROPHENOL										10 UG/L		UR			
2-ACETYLAMINOFLUORENE										10 UG/L		U			
2-CHLORO-1,3-BUTADIENE										5 UG/L		UJ			
2-NAPHTHYLAMINE										170 UG/L		UJ			
2-PICOLINE										70 UG/L		U			
3,3'-DIMETHYLBENZIDINE										80 UG/L		U			
3-CHLOROPROPENE										5 UG/L		UJ			
3-METHYLCHOLANTHRENE										30 UG/L		U			
3-METHYLPHENOL										10 UG/L		UR			
4-AMINOBIPHENYL										50 UG/L		UJ			
4-NITROQUINOLINE-1-OXIDE										10 UG/L		UJ			

SAMPLE NUMBER:	066580			066581			066599			066599			066600		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
5-NITRO-O-TOLUIDINE										20 UG/L		U			
7,12-DIMETHYLBENZ(A)ANTHRAC ENE										20 UG/L		U			
A,A-DIMETHYLPHENETHYLAMINE										10 UG/L		UJ			
ACETONITRILE										200 UG/L		U			
ACETOPHENONE										10 UG/L		U			
ACROLEIN										10 UG/L		U			
ACROLEIN										10 UG/L		U			
ACROLEIN										10 UG/L		U			
ACROLEIN										10 UG/L		U			
ACRYLONITRILE										10 UG/L		U			
ANILINE										10 UG/L		U			
ARAMITE										10 UG/L		U			
DIALLATE										10 UG/L		U			
DIBROMOMETHANE										10 UG/L		U			
DICHLORODIFLUOROMETHANE										200 UG/L		UR			
DINOSEB										20 UG/L		U			
DIPHENYLAMINE										10 UG/L		U			
ETHYL CYANIDE										100 UG/L		UR			
ETHYL METHACRYLATE										10 UG/L		UJ			
ETHYL METHANESULFONATE										10 UG/L		U			
HEXACHLOROPHENE										500 UG/L		UR			
HEXACHLOROPROPENE										20 UG/L		U			
IODOMETHANE										5 UG/L		U			
ISODRIN										.05 UG/L		U			
ISOSAFROLE										10 UG/L		U			
KEPONE										.1 UG/L		U			
METHACRYLONITRILE										10 UG/L		UR			
METHAPYRILENE										40 UG/L		U			
METHYL METHACRYLATE										10 UG/L		UJ			
METHYL METHANESULFONATE										10 UG/L		U			
N-NITROSODI-N-BUTYLAMINE										20 UG/L		U			
N-NITROSODIETHYLAMINE										10 UG/L		U			
N-NITROSOMETHYLETHYLAMINE										10 UG/L		U			
N-NITROSOMORPHOLINE										10 UG/L		U			
N-NITROSOPIPERIDINE										10 UG/L		U			
N-NITROSOPYRROLIDINE										10 UG/L		U			
O-TOLUIDINE										10 UG/L		UR			
P-DIMETHYLAMINOAZOBENZENE										30 UG/L		U			
P-PHENYLENEDIAMINE										50 UG/L		UJ			
PENTACHLOROBENZENE										20 UG/L		U			
PENTACHLOROETHANE										20 UG/L		U			

SAMPLE NUMBER:	066580			066581			066599			066599			066600		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
PENTACHLORONITROBENZENE										20 UG/L		U			
PHENACETIN										10 UG/L		U			
PRONAMIDE										30 UG/L		U			
SAFROLE										10 UG/L		U			
TRANS-1,2-DICHLOROETHENE										5 UG/L		U			
TRANS-1,4-DICHLORO-2-BUTENE										20 UG/L		UJ			
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE										1 UG/L		U			
DISULFOTON										1 UG/L		U			
FAMPHUR										1 UG/L		U			
METHYL PARATHION										.05 UG/L		UJ			
PARATHION										.05 UG/L		U			
PHORATE										1 UG/L		U			
THIONAZIN										1 UG/L		U			
PESTICIDES															
4,4'-DDD										.1 UG/L		UJ			
4,4'-DDE										.1 UG/L		UJ			
4,4'-DDT										.1 UG/L		UJ			
ALDRIN										.05 UG/L		UJ			
ALPHA-BHC										.05 UG/L		UJ			
ALPHA-CHLORDANE										.5 UG/L		UJ			
AROCLOR-1016										.5 UG/L		UJ			
AROCLOR-1221										.5 UG/L		UJ			
AROCLOR-1232										.5 UG/L		UJ			
AROCLOR-1242										.5 UG/L		UJ			
AROCLOR-1248										.5 UG/L		UJ			
AROCLOR-1254										1 UG/L		UJ			
AROCLOR-1260										1 UG/L		UJ			
BETA-BHC										.05 UG/L		UJ			
DELTA-BHC										.05 UG/L		UJ			
DIELDRIN										.1 UG/L		UJ			
ENDOSULFAN II										.1 UG/L		UJ			
ENDOSULFAN SULFATE										.1 UG/L		UJ			
ENDOSULFAN-I										.05 UG/L		UJ			
ENDRIN										.1 UG/L		UJ			
ENDRIN KETONE										.1 UG/L		UJ			
GAMMA-BHC (LINDANE)										.05 UG/L		UJ			
GAMMA-CHLORDANE										.5 UG/L		UJ			

SAMPLE NUMBER:	066580			066581			066599			066599			066600		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
HEPTACHLOR										.05 UG/L		UJ			
HEPTACHLOR EPOXIDE										.05 UG/L		UJ			
METHOXYCHLOR										.5 UG/L		UJ			
SULFOTEP										1 UG/L		UJ			
TOXAPHENE										1 UG/L		UJ			
RADIONUCLIDES															
URANIUM-238	4.7 PCI/L	.7	-	6.3 PCI/L	.9	-									
URANIUM, TOTAL	20 UG/L	3	-	20 UG/L	3	-									
URANIUM-234	2.4 PCI/L	.1	-	7.9 PCI/L	1.1	-									
THORIUM-230	1 PCI/L		U	1 PCI/L		U									
URANIUM-235/236	1 PCI/L		U	1 PCI/L		U									
THORIUM-228	1 PCI/L		U	1 PCI/L		U									
TECHNETIUM-99	30 PCI/L		U	30 PCI/L		U									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		U			
1,2-DICHLOROBENZENE										10 UG/L		U			
1,3-DICHLOROBENZENE										10 UG/L		U			
1,4-DICHLOROBENZENE										10 UG/L		U			
2,4,5-TRICHLOROPHENOL										50 UG/L		UR			
2,4,6-TRICHLOROPHENOL										10 UG/L		UR			
2,4-DICHLOROPHENOL										10 UG/L		UR			
2,4-DIMETHYLPHENOL										10 UG/L		UR			
2,4-DINITROPHENOL										50 UG/L		UR			
2,4-DINITROTOLUENE										10 UG/L		U			
2,6-DINITROTOLUENE										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		U			
2-CHLOROPHENOL										10 UG/L		UR			
2-METHYLNAPHTHALENE										10 UG/L		U			
2-METHYLPHENOL										10 UG/L		UR			
2-NITROANILINE										50 UG/L		UJ			
2-NITROPHENOL										10 UG/L		UR			
3,3'-DICHLOROBENZIDINE										20 UG/L		U			
3-NITROANILINE										50 UG/L		UJ			
4,6-DINITRO-2-METHYLPHENOL										50 UG/L		UR			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLORO-3-METHYLPHENOL										10 UG/L		UR			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		UR			

SAMPLE NUMBER:	066580			066581			066599			066599			066600		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-NITROANILINE										50 UG/L		UJ			
4-NITROPHENOL										50 UG/L		UR			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		U			
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		U			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			
BENZYL ALCOHOL										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE										3 UG/L		J			
BUTYL BENZYL PHTHALATE										10 UG/L		U			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										10 UG/L		U			
DI-N-OCTYL PHTHALATE										10 UG/L		U			
DIBENZO(A,H)ANTHRACENE										10 UG/L		U			
DIBENZOFURAN										10 UG/L		U			
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		U			
HEXACHLOROBENZENE										10 UG/L		U			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		U			
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		U			
ISOPHORONE										10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			
N-NITROSODIMETHYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE										3 UG/L		J			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		U			
O,O,O-TRIETHYLPHOSPHOROTHIO ATE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		UJ			
PENTACHLOROPHENOL										50 UG/L		UR			
PHENANTHRENE										10 UG/L		U			

SAMPLE NUMBER:	066580			066581			066599			066599			066600		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PHENOL										10 UG/L		UR			
PYRENE										10 UG/L		U			
PYRIDINE										50000 UG/L		U			
VOLATILES															
1,1,1,2-TETRACHLOROETHANE										5 UG/L		U			
1,1,1-TRICHLOROETHANE										5 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										5 UG/L		U			
1,1,2-TRICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHENE										5 UG/L		U			
1,2-DICHLOROETHANE										5 UG/L		U			
1,2-DICHLOROPROPANE										5 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										5 UG/L		UJ			
BROMODICHLOROMETHANE										5 UG/L		U			
BROMOFORM										5 UG/L		U			
BROMOMETHANE										10 UG/L		UJ			
CARBON DISULFIDE										10 UG/L		-			
CARBON TETRACHLORIDE										5 UG/L		U			
CHLOROBENZENE										5 UG/L		UJ			
CHLOROETHANE										10 UG/L		UJ			
CHLOROFORM										5 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										5 UG/L		U			
DIBROMOCHLOROMETHANE										5 UG/L		U			
ETHYLBENZENE										5 UG/L		UJ			
ISOBUTYL ALCOHOL										3000 UG/L		U			
METHYLENE CHLORIDE										5 UG/L		U			
STYRENE										5 UG/L		UJ			
TETRACHLOROETHENE										5 UG/L		U			
TOLUENE										5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		U			
TRICHLOROETHENE										5 UG/L		U			
TRICHLOROFLUOROMETHANE										5 UG/L		U			
VINYL ACETATE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										5 UG/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066600	066600	EMGW_SYSGEN_492	EMGW_SYSGEN_492	EMGW_SYSGEN_492
TASK:	9.25	9.25	GWMON	GWMON	GWMON
LAB:	IT	IT	IT	NET	NET
WELL OR BORING NUMBER:	2027	2027	2027	2027	2027
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-SEP-89	10-SEP-89	11-NOV-90	11-NOV-90	11-NOV-90
NORTH COORDINATE:	481969.29	481969.29	481969.29	481969.29	481969.29
EAST COORDINATE:	1379317.37	1379317.37	1379317.37	1379317.37	1379317.37
QA TYPE:	DUPLICATE	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:	066599	066599			
SUFFIX/FILTERFLAG:	DL-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,4-DIOXANE				1000 UG/L		U									
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													297 MG/L		NV
AMMONIA													.12 MG/L		NV
CHLORIDE													57 MG/L		NV
FLUORIDE													.51 MG/L		NV
NITRATE/NITRITE													.18 MG/L		NV
PH				10 UG/L		U							6.46 SU		NV
PHENOLS													.008 MG/L		NV
PHOSPHORUS													2.39 MG/L		NV
SPECIFIC CONDUCTIVITY													1120 UMHOS/CM		NV
SULFATE													242 MG/L		NV
SULFIDE				.5 MG/L		U									
TOTAL DISSOLVED SOLIDS													994 MG/L		NV
TOTAL ORGANIC CARBON													8 MG/L		NV
TOTAL ORGANIC HALOGENS													.016 MG/L		NV
HERBICIDES															
2,4,5-T				5 UG/L		U									
2,4,5-TP (SILVEX)				.025 UG/L		U									
2,4-D				.05 UG/L		U									
INORGANICS															

SAMPLE NUMBER:	066600			066600			EMGW_SYSGEN_492			EMGW_SYSGEN_492			EMGW_SYSGEN_492		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ANTIMONY										.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC										.0025 MG/L		UNV	.019 MG/L		NV
BARIUM										.2 MG/L		UNV	.241 MG/L		NV
BERYLLIUM										.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM										.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM										60.6 MG/L		NV	120 MG/L		NV
CHROMIUM													.005 MG/L		UNV
COBALT										.025 MG/L		UNV	.025 MG/L		UNV
COPPER										.025 MG/L		UNV	.025 MG/L		UNV
CYANIDE				.005 MG/L		U							.005 MG/L		UNV
IRON										1.56 MG/L		NV	3.46 MG/L		NV
LEAD										.005 MG/L		UNV	.013 MG/L		NV
MAGNESIUM										20.5 MG/L		NV	41 MG/L		NV
MANGANESE										.438 MG/L		NV	1.19 MG/L		NV
MERCURY										.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM										.025 MG/L		UNV	.025 MG/L		UNV
NICKEL										.005 MG/L		UNV	.012 MG/L		NV
POTASSIUM										2.92 MG/L		NV	4.59 MG/L		NV
SELENIUM										.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER										.001 MG/L		UNV	.001 MG/L		UNV
SODIUM										10.4 MG/L		NV	24 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM										.05 MG/L		UNV	.05 MG/L		UNV
ZINC										.02 MG/L		UNV	.043 MG/L		NV
MISC															
1,2,3-TRICHLOROPROPANE				5 UG/L		UJ									
1,2,4,5-TETRACHLOROBENZENE				10 UG/L		U									
1,2-DIBROMO-3-CHLOROPROPANE				10 UG/L		U									
1,2-DIBROMOETHANE				5 UG/L		U									
1,3,5-TRINITROBENZENE				10 UG/L		U									
1,3-DINITROBENZENE				10 UG/L		U									
1,4-NAPHTHOQUINONE				10 UG/L		U									
1-NAPHTHYLAMINE				120 UG/L		UJ									
2,3,4,6-TETRACHLOROPHENOL				10 UG/L		UR									
2,6-DICHLOROPHENOL				10 UG/L		UR									
2-ACETYLAMINOFLUORENE				10 UG/L		U									
2-CHLORO-1,3-BUTADIENE				5 UG/L		UR									
2-NAPHTHYLAMINE				170 UG/L		UJ									
2-PICOLINE				70 UG/L		U									

SAMPLE NUMBER:	066600			066600			EMGW_SYSGEN_492			EMGW_SYSGEN_492			EMGW_SYSGEN_492		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
3,3'-DIMETHYLBENZIDINE				80 UG/L		U									
3-CHLOROPROPENE				5 UG/L		UJ									
3-METHYLCHOLANTHRENE				30 UG/L		U									
3-METHYLPHENOL				10 UG/L		UR									
4-AMINOBIPHENYL				50 UG/L		UJ									
4-NITROQUINOLINE-1-OXIDE				10 UG/L		UJ									
5-NITRO-O-TOLUIDINE				20 UG/L		U									
7,12-DIMETHYLBENZ(A)ANTHRAC ENE				20 UG/L		U									
A,A-DIMETHYLPHENETHYLAMINE				10 UG/L		UJ									
ACETONITRILE				200 UG/L		U									
ACETOPHENONE				10 UG/L		U									
ACROLEIN				10 UG/L		U									
ACROLEIN				10 UG/L		U									
ACROLEIN				10 UG/L		U									
ACROLEIN				10 UG/L		U									
ACRYLONITRILE				10 UG/L		U									
ANILINE				10 UG/L		U									
ARAMITE				10 UG/L		U									
DIALLATE				10 UG/L		U									
DIBROMOMETHANE				10 UG/L		U									
DICHLORODIFLUOROMETHANE				200 UG/L		UR									
DINOSEB				20 UG/L		U									
DIPHENYLAMINE				10 UG/L		U									
ETHYL CYANIDE				100 UG/L		UJ									
ETHYL METHACRYLATE				10 UG/L		UJ									
ETHYL METHANESULFONATE				10 UG/L		U									
HEXACHLOROPHENE				500 UG/L		UR									
HEXACHLOROPROPENE				20 UG/L		U									
IODOMETHANE				5 UG/L		U									
ISODRIN	.15 UG/L		U	.05 UG/L		U									
ISOSAFROLE				10 UG/L		U									
KEPONE	.3 UG/L		U	.1 UG/L		U									
METHACRYLONITRILE				10 UG/L		UR									
METHAPYRILENE				40 UG/L		U									
METHYL METHACRYLATE				10 UG/L		UJ									
METHYL METHANESULFONATE				10 UG/L		U									
N-NITROSODI-N-BUTYLAMINE				20 UG/L		U									
N-NITROSODIETHYLAMINE				10 UG/L		U									
N-NITROSOMETHYLETHYLAMINE				10 UG/L		U									
N-NITROSOMORPHOLINE				10 UG/L		U									
N-NITROSOPIPERIDINE				10 UG/L		U									

SAMPLE NUMBER:	066600			066600			EMGW_SYSGEN_492			EMGW_SYSGEN_492			EMGW_SYSGEN_492		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
N-NITROSOPYRROLIDINE				10 UG/L		U									
O-TOLUIDINE				10 UG/L		UR									
P-DIMETHYLAMINOAZOBENZENE				30 UG/L		U									
P-PHENYLENEDIAMINE				50 UG/L		UJ									
PENTACHLOROBENZENE				20 UG/L		U									
PENTACHLOROETHANE				20 UG/L		U									
PENTACHLORONITROBENZENE				20 UG/L		U									
PHENACETIN				10 UG/L		U									
PRONAMIDE				30 UG/L		U									
SAFROLE				10 UG/L		U									
TRANS-1,2-DICHLOROETHENE				5 UG/L		U							1 UG/L		UNV
TRANS-1,4-DICHLORO-2-BUTENE				20 UG/L		UJ									
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE				1 UG/L		U									
DISULFOTON				1 UG/L		U									
FAMPHUR				1 UG/L		U									
METHYL PARATHION				.05 UG/L		UJ									
PARATHION				.05 UG/L		U									
PHORATE				1 UG/L		U									
THIONAZIN				1 UG/L		U									
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.5 UG/L		U									
AROCLOR-1016				.5 UG/L		U									
AROCLOR-1221				.5 UG/L		U									
AROCLOR-1232				.5 UG/L		U									
AROCLOR-1242				.5 UG/L		U									
AROCLOR-1248				.5 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									

SAMPLE NUMBER:	066600			066600			EMGW_SYSGEN_492			EMGW_SYSGEN_492			EMGW_SYSGEN_492		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.5 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
SULFOTEP				1 UG/L		UJ									
TOXAPHENE				1 UG/L		U									
RADIONUCLIDES															
URANIUM-238							2.45 PCI/L		NV						
URANIUM, TOTAL							6.68 UG/L		NV						
URANIUM-234							2.89 PCI/L		NV						
THORIUM-230							.39 PCI/L		UNV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236							.519 PCI/L		NV						
THORIUM-232							.39 PCI/L		UNV						
THORIUM, TOTAL							3.5 UG/L		UNV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							.39 PCI/L		UNV						
NEPTUNIUM-237							.5 PCI/L		UNV						
PLUTONIUM-239/240							.5 PCI/L		UNV						
PLUTONIUM-238							.5 PCI/L		UNV						
TECHNETIUM-99							15 PCI/L		UNV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							4 PCI/L		UNV						
GROSS ALPHA							23 PCI/L		NV						
GROSS BETA							11 PCI/L		UNV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				50 UG/L		UR									
2,4,6-TRICHLOROPHENOL				10 UG/L		UR									
2,4-DICHLOROPHENOL				10 UG/L		UR									

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SAMPLE NUMBER:	066600			066600			EMGW_SYSGEN_492			EMGW_SYSGEN_492			EMGW_SYSGEN_492		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DIMETHYLPHENOL				10 UG/L		UR									
2,4-DINITROPHENOL				50 UG/L		UR									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		UR									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		UR									
2-NITROANILINE				50 UG/L		UJ									
2-NITROPHENOL				10 UG/L		UR									
3,3'-DICHLOROBENZIDINE				20 UG/L		U									
3-NITROANILINE				50 UG/L		UJ									
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		UR									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		UR									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		UR									
4-NITROANILINE				50 UG/L		UR									
4-NITROPHENOL				50 UG/L		UR									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		U									
BENZO(K)FLUORANTHENE				10 UG/L		U									
BENZYL ALCOHOL				10 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		U									
DIBENZO(A,H)ANTHRACENE				10 UG/L		U									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									

SAMPLE NUMBER:	066600			066600			EMGW_SYSGEN_492			EMGW_SYSGEN_492			EMGW_SYSGEN_492		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		U									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		U									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIMETHYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
O,O,O-TRIETHYLPHOSPHOROTHIO ATE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		UJ									
PENTACHLOROPHENOL				50 UG/L		UR									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		UR							.008 MG/L		NV
PYRENE				10 UG/L		U									
PYRIDINE				50000 UG/L		U									
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,1-TRICHLOROETHANE				5 UG/L		U							1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U							1 UG/L		UNV
1,1,2-TRICHLOROETHANE				5 UG/L		U							1 UG/L		UNV
1,1-DICHLOROETHANE				5 UG/L		U							1 UG/L		UNV
1,1-DICHLOROETHENE				5 UG/L		U							1 UG/L		UNV
1,2-DICHLOROETHANE				5 UG/L		U							1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE				5 UG/L		U							1 UG/L		UNV
2-BUTANONE				10 UG/L		U							2 UG/L		UNV
2-HEXANONE				10 UG/L		U							2 UG/L		UNV
4-METHYL-2-PENTANONE				10 UG/L		U							2 UG/L		UNV
ACETONE				10 UG/L		UJ							2 UG/L		UNV
BENZENE				5 UG/L		UJ							1 UG/L		UNV
BROMODICHLOROMETHANE				5 UG/L		U							1 UG/L		UNV
BROMOFORM				5 UG/L		U							1 UG/L		UNV
BROMOMETHANE				10 UG/L		UJ							1 UG/L		UNV
CARBON DISULFIDE				1 UG/L		J							1 UG/L		UNV

SAMPLE NUMBER:	066600			066600			EMGW_SYSGEN_492			EMGW_SYSGEN_492			EMGW_SYSGEN_492		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE				5 UG/L		U							1 UG/L		UNV
CHLOROBENZENE				5 UG/L		UJ							1 UG/L		UNV
CHLOROETHANE				10 UG/L		UJ							1 UG/L		UNV
CHLOROFORM				5 UG/L		U							1 UG/L		UNV
CHLOROMETHANE				10 UG/L		U							1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE				5 UG/L		U							1 UG/L		UNV
DIBROMOCHLOROMETHANE				5 UG/L		U							1 UG/L		UNV
ETHYLBENZENE				5 UG/L		UJ							1 UG/L		UNV
ISOBUTYL ALCOHOL				3000 UG/L		U									
METHYLENE CHLORIDE				5 UG/L		U							1 UG/L		UNV
STYRENE				5 UG/L		UJ							1 UG/L		UNV
TETRACHLOROETHENE				5 UG/L		U							1 UG/L		UNV
TOLUENE				5 UG/L		UJ							1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U							1 UG/L		UNV
TRICHLOROETHENE				5 UG/L		U							1 UG/L		UNV
TRICHLOROFLUOROMETHANE				5 UG/L		U									
VINYL ACETATE				10 UG/L		U							2 UG/L		UNV
VINYL CHLORIDE				10 UG/L		U							1 UG/L		UNV
XYLENES, TOTAL				5 UG/L		UJ							1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930112-6	GW930112-6	GW930112-6	GW930112-6	123338
TASK:	RCRA	RCRA	RCRA	RCRA	10.03.08
LAB:	CORE	FERMCO	NET	NET	IT
WELL OR BORING NUMBER:	2027	2027	2027	2027	2027
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-JAN-93	12-JAN-93	12-JAN-93	12-JAN-93	15-JUL-93
NORTH COORDINATE:	481969.29	481969.29	481969.29	481969.29	481969.29
EAST COORDINATE:	1379317.37	1379317.37	1379317.37	1379317.37	1379317.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										398 MG/L		NV			
ALLYL CHLORIDE										5 UG/L		UNV			
AMMONIA										.38 MG/L		NV			
BICARBONATE ALKALINITY										537 MG/L		NV			
CARBONATE ALKALINITY										3 MG/L		UNV			
CHLORIDE										119 MG/L		NV			
FLUORIDE										.3 MG/L		NV			
NITRATE										.5 MG/L		NV			
NITRITE, AS NITROGEN										.00002 MG/L		UNV			
PH										6.93 SU		NV			
PHENOLS										.01 MG/L		UNV			
PHOSPHORUS										.1 MG/L		UNV			
SPECIFIC CONDUCTIVITY										1740 UMHOS/CM		NV			
SULFATE										597 MG/L		NV			
TOTAL DISSOLVED SOLIDS							1160 MG/L		NV						
TOTAL ORGANIC CARBON										8 MG/L		NV			
TOTAL ORGANIC HALOGENS										10 MG/L		UNV			
TOTAL SOLIDS										1380 MG/L		NV			
INORGANICS															
ALUMINUM							.2 MG/L		UNV	.2 MG/L		UNV			
ANTIMONY							.02 MG/L		UNV	.02 MG/L		UNV			
ARSENIC							.005 MG/L		UNV	.005 MG/L		UNV			
BARIUM							.21 MG/L		NV	.25 MG/L		NV			
BERYLLIUM							.005 MG/L		UNV	.005 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			

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SAMPLE NUMBER:	GW930112-6			GW930112-6			GW930112-6			GW930112-6			123338		
LAB:	CORE			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM							262 MG/L		NV	270 MG/L		NV			
CHROMIUM							.002 MG/L		UNV	.002 MG/L		UNV			
COBALT							.005 MG/L		UNV	.005 MG/L		UNV			
COPPER							.02 MG/L		UNV	.02 MG/L		UNV			
CYANIDE										.005 MG/L		UNV			
IRON							5.31 MG/L		NV	29.9 MG/L		NV			
LEAD							.003 MG/L		UNV	.003 MG/L		UNV			
MAGNESIUM							65.2 MG/L		NV	65.2 MG/L		NV			
MANGANESE							.742 MG/L		NV	.807 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.01 MG/L		UNV	.01 MG/L		UNV	.02 MG/L		U
NICKEL							.01 MG/L		UNV	.01 MG/L		UNV			
POTASSIUM										7.3 MG/L		NV			
SELENIUM							.005 MG/L		UNV	.005 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							42 MG/L		NV						
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.02 MG/L		UNV	.02 MG/L		UNV			
MISC															
1,2,3-TRICHLOROPROPANE										5 UG/L		UNV			
1,2-DIBROMO-3-CHLOROPROPANE										2 UG/L		UNV			
1,2-DIBROMOETHANE										2 UG/L		UNV			
2-CHLORO-1,3-BUTADIENE										5 UG/L		UNV			
ACROLEIN										50 UG/L		UNV			
ACROLEIN										50 UG/L		UNV			
ACROLEIN										50 UG/L		UNV			
ACROLEIN										50 UG/L		UNV			
ACRYLONITRILE										50 UG/L		UNV			
DICHLORODIFLUOROMETHANE										10 UG/L		UNV			
ETHYL CYANIDE										20 UG/L		UNV			
ETHYL METHACRYLATE										5 UG/L		UNV			
IODOMETHANE										5 UG/L		UNV			
METHACRYLONITRILE										5 UG/L		UNV			
METHYL METHACRYLATE										5 UG/L		UNV			
PENTACHLOROETHANE										5 UG/L		UNV			
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
TRANS-1,4-DICHLORO-2-BUTENE										20 UG/L		UNV			

RADIONUCLIDES															
URANIUM, TOTAL	12.9 UG/L		NV	10.1 UG/L		NV									
07/25/94															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	GW930112-6			GW930112-6			GW930112-6			GW930112-6			123338		
LAB:	CORE			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230	.3 PCI/L	.2	NV												
RADIUM-226	1.6 PCI/L	.5	NV												
THORIUM-232	.2 PCI/L	.1	UNV												
THORIUM, TOTAL	.7 UG/L		NV												
RADIUM-228	3 PCI/L	1.2	UNV												
THORIUM-228	.2 PCI/L	.1	UNV												
NEPTUNIUM-237													.5 PCI/L	.0234	UJ
PLUTONIUM-239/240													.5 PCI/L	0	UJ
PLUTONIUM-238													.5 PCI/L	.0472	UJ
STRONTIUM-90													1 PCI/L	.388	UJ
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													15.2 PCI/L		UJ
GROSS ALPHA	11.8 PCI/L	5	NV												
GROSS BETA	17.5 PCI/L	5.8	NV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
CUMENE										1 UG/L		UNV			
VOLATILES															
1,1,1,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										10 UG/L		UNV			
2-HEXANONE										10 UG/L		UNV			
4-METHYL-2-PENTANONE										10 UG/L		UNV			
ACETONE										10 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										5 UG/L		UNV			

000999

6417

SAMPLE NUMBER:	GW930112-6			GW930112-6			GW930112-6			GW930112-6			123338		
LAB:	CORE			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										10 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										10 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										10 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1000 UG/L		UNV			
TRICHLOROFLUOROMETHANE										1 UG/L		UNV			
VINYL ACETATE										10 UG/L		UNV			
VINYL CHLORIDE										5 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	123338			066708			066709			066709			066742		
TASK:	10.03.08			9.27			9.27			9.27			9.27		
LAB:	IT			IT			WMCO			WMCO			IT		
WELL OR BORING NUMBER:	2027			2027			2027			2027			2027		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-JUL-93			16-NOV-89			16-NOV-89			16-NOV-89			16-NOV-89		
NORTH COORDINATE:	481969.29			481969.29			481969.29			481969.29			481969.29		
EAST COORDINATE:	1379317.37			1379317.37			1379317.37			1379317.37			1379317.37		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													066708		
SUFFIX/FILTERFLAG:	RE-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM							.203 MG/L		NV						
ARSENIC							.0025 MG/L		UNV						
BARIUM							.2 MG/L		UNV						
BERYLLIUM							.01 MG/L		UNV						
CALCIUM							298 MG/L		NV						
CHROMIUM							.005 MG/L		UNV						
COBALT							.025 MG/L		UNV						
COPPER							.025 MG/L		UNV						
IRON							6.9 MG/L		NV						
LEAD							.005 MG/L		UNV						
MAGNESIUM							53.2 MG/L		NV						
MANGANESE							1.23 MG/L		NV						
NICKEL							.005 MG/L		UNV						
SILVER							.001 MG/L		UNV						
SODIUM							22.1 MG/L		NV						
VANADIUM							.05 MG/L		UNV						
ZINC							.09 MG/L		NV						
RADIONUCLIDES															
URANIUM-238				5.22 PCI/L	.8	-							5.16 PCI/L	.81	-
URANIUM, TOTAL				13 UG/L	2	-							12 UG/L	3	-
URANIUM-234				6.26 PCI/L	.92	J							5.96 PCI/L	.9	J
THORIUM-230				1 PCI/L		U							1 PCI/L		U
URANIUM-235/236				1 PCI/L		U							1 PCI/L		U
THORIUM-228				1 PCI/L		U							1 PCI/L		U
TECHNETIUM-99				30 PCI/L		UJ							30 PCI/L		UJ

SAMPLE NUMBER:	123338			066708			066709			066709			066742		
LAB:	IT			IT			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	RE-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		UJ												
1,2-DICHLOROBENZENE	10 UG/L		UJ												
1,3-DICHLOROBENZENE	10 UG/L		UJ												
1,4-DICHLOROBENZENE	10 UG/L		UJ												
2,4,5-TRICHLOROPHENOL	25 UG/L		UJ												
2,4,6-TRICHLOROPHENOL	10 UG/L		UJ												
2,4-DICHLOROPHENOL	10 UG/L		UJ												
2,4-DIMETHYLPHENOL	10 UG/L		UJ												
2,4-DINITROPHENOL	25 UG/L		UJ												
2,4-DINITROTOLUENE	10 UG/L		UJ												
2,6-DINITROTOLUENE	10 UG/L		UJ												
2-CHLORONAPHTHALENE	10 UG/L		UJ												
2-CHLOROPHENOL	10 UG/L		UJ												
2-METHYLNAPHTHALENE	10 UG/L		UJ												
2-METHYLPHENOL	10 UG/L		UJ												
2-NITROANILINE	25 UG/L		UJ												
2-NITROPHENOL	10 UG/L		UJ												
3,3'-DICHLOROBENZIDINE	10 UG/L		UJ												
3-NITROANILINE	25 UG/L		UJ												
4,6-DINITRO-2-METHYLPHENOL	25 UG/L		UJ												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		UJ												
4-CHLORO-3-METHYLPHENOL	10 UG/L		UJ												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		UJ												
4-METHYLPHENOL	10 UG/L		UJ												
4-NITROANILINE	25 UG/L		UJ												
4-NITROPHENOL	25 UG/L		UJ												
ACENAPHTHENE	10 UG/L		UJ												
ACENAPHTHYLENE	10 UG/L		UJ												
ANTHRACENE	10 UG/L		UJ												
BENZO(A)ANTHRACENE	10 UG/L		UJ												
BENZO(A)PYRENE	10 UG/L		UJ												
BENZO(B)FLUORANTHENE	10 UG/L		UJ												
BENZO(G,H,I)PERYLENE	10 UG/L		UJ												
BENZO(K)FLUORANTHENE	10 UG/L		UJ												
BENZOIC ACID	50 UG/L		UJ												
BENZYL ALCOHOL	10 UG/L		UR												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		UJ												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		UJ												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UJ												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		UJ												
BUTYL BENZYL PHTHALATE	10 UG/L		UJ												

SAMPLE NUMBER:	123338			066708			066709			066709			066742		
LAB:	IT			IT			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	RE-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
CARBAZOLE	10 UG/L		UJ												
CHRYSENE	10 UG/L		UJ												
DI-N-BUTYL PHTHALATE	10 UG/L		UJ												
DI-N-OCTYL PHTHALATE	10 UG/L		UJ												
DIBENZO(A,H)ANTHRACENE	10 UG/L		UJ												
DIBENZOFURAN	10 UG/L		UJ												
DIETHYL PHTHALATE	10 UG/L		UJ												
DIMETHYL PHTHALATE	10 UG/L		UJ												
FLUORANTHENE	10 UG/L		UJ												
FLUORENE	10 UG/L		UJ												
HEXACHLOROBENZENE	10 UG/L		UJ												
HEXACHLOROBUTADIENE	10 UG/L		UJ												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UJ												
HEXACHLOROETHANE	10 UG/L		UJ												
INDENO(1,2,3-CD)PYRENE	10 UG/L		UJ												
ISOPHORONE	10 UG/L		UJ												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		UJ												
N-NITROSODIPHENYLAMINE	10 UG/L		UJ												
NAPHTHALENE	10 UG/L		UJ												
NITROBENZENE	10 UG/L		UJ												
P-CHLOROANILINE	10 UG/L		UJ												
PENTACHLOROPHENOL	25 UG/L		UJ												
PHENANTHRENE	10 UG/L		UJ												
PHENOL	10 UG/L		UJ												
PYRENE	10 UG/L		UJ												
VOLATILES															
1,1-DICHLOROETHANE										2.5 UG/L		UNV			
1,2-DICHLOROETHANE										2.5 UG/L		UNV			
ACETONE										2.5 UG/L		UNV			
METHYLENE CHLORIDE										2.5 UG/L		UNV			
TETRACHLOROETHENE										2.5 UG/L		UNV			
TOLUENE										2.5 UG/L		UNV			
TRICHLOROETHENE										2.5 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066743	066743	EMGW_SYSGEN_488	EMGW_SYSGEN_488	EMGW_SYSGEN_488
TASK:	9.27	9.27	GWMON	GWMON	GWMON
LAB:	WMCO	WMCO	IT	NET	NET
WELL OR BORING NUMBER:	2027	2027	2027	2027	2027
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-NOV-89	16-NOV-89	19-FEB-90	19-FEB-90	19-FEB-90
NORTH COORDINATE:	481969.29	481969.29	481969.29	481969.29	481969.29
EAST COORDINATE:	1379317.37	1379317.37	1379317.37	1379317.37	1379317.37
QA TYPE:	DUPLICATE	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:	066709	066709			
SUFFIX/FILTERFLAG:	F-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE				104 MG/L		NV							87 MG/L		NV
FLUORIDE				.72 MG/L		NV							.44 MG/L		NV
NITRATE				.14 MG/L		NV							.08 MG/L		NV
NITRATE, AS NITROGEN													.08 MG/L		NV
PHENOLS				.005 MG/L		UNV							.005 MG/L		UNV
SULFATE				515 MG/L		NV							276 MG/L		NV
TOTAL ORGANIC CARBON				2 MG/L		NV							1 MG/L		NV
TOTAL ORGANIC HALIDES				.01 MG/L		UNV									
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
INORGANICS															
ALUMINUM	.05 MG/L		UNV	.21 MG/L		NV				.05 MG/L		UNV	3.37 MG/L		NV
ARSENIC	.0025 MG/L		UNV	.006 MG/L		NV				.0025 MG/L		UNV	.027 MG/L		NV
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV				.234 MG/L		NV	.651 MG/L		NV
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
CALCIUM	303 MG/L		NV	289 MG/L		NV				206 MG/L		NV	292 MG/L		NV
CHROMIUM	.005 MG/L		UNV	.005 MG/L		UNV							.005 MG/L		UNV
COBALT	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
COPPER	.025 MG/L		UNV	.043 MG/L		NV				.025 MG/L		UNV	.033 MG/L		NV
IRON	7.37 MG/L		NV	40.2 MG/L		NV				.493 MG/L		NV	53.1 MG/L		NV
LEAD	.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV	.011 MG/L		NV
MAGNESIUM	54.2 MG/L		NV	51.4 MG/L		NV				48.6 MG/L		NV	61.6 MG/L		NV
MANGANESE	1.22 MG/L		NV	1.37 MG/L		NV				.61 MG/L		NV	1.55 MG/L		NV
NICKEL	.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV	.015 MG/L		NV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	23.3 MG/L		NV	36.9 MG/L		NV				48.8 MG/L		NV	51.8 MG/L		NV

SAMPLE NUMBER:	066743			066743			EMGW_SYSGEN_488			EMGW_SYSGEN_488			EMGW_SYSGEN_488		
LAB:	WMCO			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	F-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.059 MG/L		NV	.086 MG/L		NV				.02 MG/L		UNV	.03 MG/L		NV
RADIONUCLIDES															
URANIUM-238							3.3 PCI/L		NV						
URANIUM, TOTAL							10 UG/L		NV						
URANIUM-234							4.1 PCI/L		NV						
TECHNETIUM-99							15 PCI/L		UNV						
VOLATILES															
1,1-DICHLOROETHANE				2.5 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHANE				2.5 UG/L		UNV							1 UG/L		UNV
ACETONE				2.5 UG/L		UNV							2 UG/L		UNV
METHYLENE CHLORIDE				2.5 UG/L		UNV							1 UG/L		UNV
TETRACHLOROETHENE				2.5 UG/L		UNV							1 UG/L		UNV
TOLUENE				2.5 UG/L		UNV							1 UG/L		UNV
TRICHLOROETHENE				2.5 UG/L		UNV							1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_488D	EMGW_SYSGEN_488D	EMGW_SYSGEN_488D	111543	111543
TASK:	GWMON	GWMON	GWMON	20.03.05	20.03.05
LAB:	IT	NET	NET	IT	IT
WELL OR BORING NUMBER:	2027	2027	2027	2027	2027
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-FEB-90	19-FEB-90	19-FEB-90	23-APR-93	23-APR-93
NORTH COORDINATE:	481969.29	481969.29	481969.29	481969.29	481969.29
EAST COORDINATE:	1379317.37	1379317.37	1379317.37	1379317.37	1379317.37
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL	NORMAL
QC OF:	EMGW_SYSGEN_488	EMGW_SYSGEN_488	EMGW_SYSGEN_488		
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE							86 MG/L		NV						
FLUORIDE							.53 MG/L		NV						
NITRATE, AS NITROGEN							.08 MG/L		NV						
PHENOLS							.005 MG/L		UNV						
SULFATE							281 MG/L		NV						
TOTAL ORGANIC CARBON							2 MG/L		NV						
TOTAL ORGANIC HALOGENS							.039 MG/L		NV						
INORGANICS															
ALUMINUM				.05 MG/L		UNV	3.42 MG/L		NV	.303 MG/L		-			
ANTIMONY										.005 MG/L		UJ			
ARSENIC				.0025 MG/L		UNV	.036 MG/L		NV	.002 MG/L		UJ			
BARIUM				.231 MG/L		NV	.688 MG/L		NV	.0671 MG/L		-			
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.002 MG/L		U			
CADMIUM										.005 MG/L		U			
CALCIUM				204 MG/L		NV	271 MG/L		NV	258 MG/L		J			
CHROMIUM							.005 MG/L		UNV	.01 MG/L		U			
COBALT				.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		U			
COPPER				.025 MG/L		UNV	.037 MG/L		NV	.01 MG/L		U			
CYANIDE													.002 MG/L		U
IRON				.713 MG/L		NV	52.2 MG/L		NV	5.07 MG/L		-			
LEAD				.005 MG/L		UNV	.013 MG/L		NV	.002 MG/L		U			
MAGNESIUM				53 MG/L		NV	53.6 MG/L		NV	61.3 MG/L		J			
MANGANESE				.624 MG/L		NV	1.48 MG/L		NV	.657 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_488D			EMGW_SYSGEN_488D			EMGW_SYSGEN_488D			111543			111543		
LAB:	IT			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.005 MG/L		UNV	.016 MG/L		NV	.02 MG/L		U			
POTASSIUM										6.95 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILICON										5.91 MG/L		-			
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		U			
SODIUM				52.2 MG/L		NV	49.1 MG/L		NV	41.9 MG/L		J			
THALLIUM										.002 MG/L		UJ			
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV	.01 MG/L		U			
ZINC				.02 MG/L		UNV	.037 MG/L		NV	.0061 MG/L		U			
PESTICIDES															
4,4'-DDD													.1 UG/L		U
4,4'-DDE													.1 UG/L		U
4,4'-DDT													.1 UG/L		U
ALDRIN													.05 UG/L		U
ALPHA-BHC													.05 UG/L		UJ
ALPHA-CHLORDANE													.05 UG/L		U
AROCLOR-1016													1 UG/L		U
AROCLOR-1221													2 UG/L		U
AROCLOR-1232													1 UG/L		U
AROCLOR-1242													1 UG/L		U
AROCLOR-1248													1 UG/L		U
AROCLOR-1254													1 UG/L		U
AROCLOR-1260													1 UG/L		U
BETA-BHC													.05 UG/L		U
DELTA-BHC													.05 UG/L		UJ
DIELDRIN													.1 UG/L		U
ENDOSULFAN II													.1 UG/L		U
ENDOSULFAN SULFATE													.1 UG/L		U
ENDOSULFAN-I													.05 UG/L		U
ENDRIN													.1 UG/L		U
ENDRIN ALDEHYDE													.1 UG/L		U
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.05 UG/L		UJ
GAMMA-CHLORDANE													.05 UG/L		U
HEPTACHLOR													.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
TOXAPHENE													5 UG/L		U

RADIONUCLIDES

URANIUM-238 4.3 PCI/L NV 3.69 PCI/L .923 -
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_488D			EMGW_SYSGEN_488D			EMGW_SYSGEN_488D			111543			111543		
LAB:	IT			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	12.7 UG/L		NV										9.15 UG/L	1.39	-
URANIUM-234	4.9 PCI/L		NV										4.74 PCI/L	1.14	-
THORIUM-230													.313 PCI/L	.204	J
RADIUM-226													1 PCI/L	.228	UJ
URANIUM-235/236													.277 PCI/L	.164	J
THORIUM-232													.2 PCI/L		UJ
THORIUM, TOTAL													1.69 UG/L	.75	UJ
RADIUM-228													3 PCI/L		UJ
THORIUM-228													.269 PCI/L		UJ
NEPTUNIUM-237													.121 PCI/L		R
PLUTONIUM-239/240													.5 PCI/L		UJ
PLUTONIUM-238													.5 PCI/L		UJ
STRONTIUM-90													1.54 PCI/L	.563	U
TECHNETIUM-99	15 PCI/L		UNV										15 PCI/L		UJ
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													14.4 PCI/L		UJ
GROSS ALPHA													18.5 PCI/L		UJ
GROSS BETA													12.6 PCI/L	8.09	J
VOLATILES															
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
ACETONE							2 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	111543	111543	GW930423-15	GW930423-15	GW930423-15
TASK:	20.03.05	20.03.05	50.03.23	50.03.23	50.03.23
LAB:	IT/MWL	ITAS	CORE	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	2027	2027	2027	2027	2027
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-APR-93	23-APR-93	23-APR-93	23-APR-93	23-APR-93
NORTH COORDINATE:	481969.29	481969.29	481969.29	481969.29	481969.29
EAST COORDINATE:	1379317.37	1379317.37	1379317.37	1379317.37	1379317.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				410 MG/L		-							430 MG/L		-
AMMONIA				.34 MG/L		-									
BICARBONATE ALKALINITY													540 MG/L		-
CARBONATE ALKALINITY													3 MG/L		U
CHLORIDE				135.2 MG/L		-									
FLUORIDE				.26 MG/L		-									
NITRATE				2.33 MG/L		J									
PH	10 UG/L		U	.01 MG/L		U							7 SU		-
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.02 MG/L		U									
SPECIFIC CONDUCTIVITY													1700 UMHOS/CM		-
SULFATE				333.3 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL DISSOLVED SOLIDS										1200 MG/L		-			
TOTAL KJELDAHL NITROGEN				.58 MG/L		-									
TOTAL ORGANIC CARBON				1.55 MG/L		-									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.24 MG/L		-									
TOTAL SOLIDS													1300 MG/L		-
INORGANICS															
ALUMINUM													.0382 MG/L		U
ANTIMONY													.045 MG/L		U
ARSENIC													.0019 MG/L		-
BARIUM													.0706 MG/L		-
BERYLLIUM													.001 MG/L		U

SAMPLE NUMBER:	111543			111543			GW930423-15			GW930423-15			GW930423-15		
LAB:	IT/MWL			ITAS			CORE			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM													.003 MG/L		U
CALCIUM													254 MG/L		-
CHROMIUM													.004 MG/L		U
COBALT													.006 MG/L		U
COPPER													.004 MG/L		U
CYANIDE										.01 MG/L		U			
IRON													7.73 MG/L		-
LEAD													.001 MG/L		UJ
MAGNESIUM													61.2 MG/L		-
MANGANESE													.654 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL													.019 MG/L		U
POTASSIUM													6.8 MG/L		-
SELENIUM													.002 MG/L		UJ
SILVER													.003 MG/L		UJ
SODIUM													45.8 MG/L		-
THALLIUM													.001 MG/L		U
VANADIUM													.004 MG/L		U
ZINC													.006 MG/L		U
RADIONUCLIDES															
URANIUM-238							3.7 PCI/L	.5	J						
URANIUM, TOTAL							16.5 UG/L	1.2	-						
URANIUM-234							3.9 PCI/L	.5	J						
THORIUM-230							.3 PCI/L	.4	UJ						
RADIUM-226							1.7 PCI/L	.6	-						
URANIUM-235/236							.2 PCI/L	.2	UJ						
THORIUM-232							.4 PCI/L	.1	U						
RADIUM-228							3 PCI/L	1.2	U						
THORIUM-228							.3 PCI/L	.3	UJ						
GROSS ALPHA							2 PCI/L	3.8	UNV						
GROSS BETA							8.9 PCI/L	3.4	NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	25 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												

SAMPLE NUMBER:	111543			111543			GW930423-15			GW930423-15			GW930423-15		
LAB:	IT/MWL			ITAS			CORE			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	50 UG/L		UR												
2,4-DINITROTOLUENE	10 UG/L		UJ												
2,6-DINITROTOLUENE	10 UG/L		U												
2-BENZYL-4-CHLOROPHENOL	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												
2-NITROANILINE	25 UG/L		U												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	10 UG/L		U												
3-NITROANILINE	25 UG/L		U												
4,6-DINITRO-2-METHYLPHENOL	25 UG/L		UR												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	25 UG/L		U												
4-NITROPHENOL	25 UG/L		UJ												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		U												
BENZOIC ACID	50 UG/L		UR												
BENZYL ALCOHOL	10 UG/L		UJ												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CARBAZOLE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		U												
DI-N-OCTYL PHTHALATE	10 UG/L		UJ												
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												

SAMPLE NUMBER:	111543			111543			GW930423-15			GW930423-15			GW930423-15		
LAB:	IT/MWL			ITAS			CORE			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		U												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		U												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UJ												
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIMETHYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		U												
PENTACHLOROPHENOL	25 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U	.01 MG/L		U									
PYRENE	10 UG/L		U												
TRIBUTYL PHOSPHATE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		UJ												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		U												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												

SAMPLE NUMBER:	111543			111543			GW930423-15			GW930423-15			GW930423-15		
LAB:	IT/MWL			ITAS			CORE			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		UJ												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		UJ												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930423-15	GW930423-15	066447	066447	004205
TASK:	50.03.23	50.03.23	9.25	9.25	3.2.4
LAB:	FERMCO	FERMCO	IT	IT	IT
WELL OR BORING NUMBER:	2027	2027	2027	2027	2028
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-APR-93	23-APR-93	27-JUN-89	27-JUN-89	05-JUN-90
NORTH COORDINATE:	481969.29	481969.29	481969.29	481969.29	481811.42
EAST COORDINATE:	1379317.37	1379317.37	1379317.37	1379317.37	1378152.28
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE										140 MG/L		J			
FLUORIDE										.12 MG/L		J			
NITRATE										.1 MG/L		UJ			
SULFATE										569 MG/L		J			
TOTAL ORGANIC CARBON										2.684 MG/L		UJ			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
INORGANICS															
ALUMINUM							.2065 MG/L		J				.081 MG/L		-
ARSENIC													.002 MG/L		U
BARIUM							.0816 MG/L		J				.083 MG/L		-
BERYLLIUM							.001 MG/L		UJ						
CADMIUM													.007 MG/L		-
CALCIUM							333 MG/L		J				177 MG/L		-
CHROMIUM							.0527 MG/L		J				.038 MG/L		-
COBALT							.01 MG/L		UJ						
COPPER							.01 MG/L		UJ				.013 MG/L		-
IRON							5.804 MG/L		J				.085 MG/L		-
LEAD							.002 MG/L		UJ				.002 MG/L		U
MAGNESIUM							68.2 MG/L		J				45.1 MG/L		-
MANGANESE													.042 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.01 MG/L		U
NICKEL							.0257 MG/L		J				.02 MG/L		U
POTASSIUM													3.23 MG/L		-
SELENIUM													.002 MG/L		U

SAMPLE NUMBER:	GW930423-15			GW930423-15			066447			066447			004205		
LAB:	FERMCO			FERMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SILICON													4.85 MG/L		-
SILVER							.0187 MG/L		J				.024 MG/L		-
SODIUM													40.8 MG/L		-
VANADIUM							.0437 MG/L		J				.017 MG/L		-
ZINC							.0801 MG/L		J						
RADIONUCLIDES															
URANIUM-238										15.4 PCI/L	2	-			
URANIUM, TOTAL	13 UG/L		NV	13 UG/L		NV				46 UG/L	8	-			
URANIUM-234										18.7 PCI/L	2.3	-			
THORIUM-230										1 PCI/L		U			
URANIUM-235/236										1 PCI/L		U			
THORIUM-228										1 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
VOLATILES															
1,1-DICHLOROETHANE										5 UG/L		U			
ACETONE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
TETRACHLOROETHENE										5 UG/L		U			
TOLUENE										5 UG/L		UJ			
TRICHLOROETHENE										5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004205			004321			004321			004321			118728-2		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			RI/FS SNAP		
LAB:	IT			IT-KNOX			IT-KNOX			IT			CORE		
WELL OR BORING NUMBER:	2028			2028			2028			2028			2028		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-JUN-90			14-AUG-90			14-AUG-90			14-AUG-90			28-JUL-93		
NORTH COORDINATE:	481811.42			481811.42			481811.42			481811.42			481811.42		
EAST COORDINATE:	1378152.28			1378152.28			1378152.28			1378152.28			1378152.28		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	1.72 MG/L		-				2.87 MG/L		-						
CHLORIDE	76.2 MG/L		-				88.1 MG/L		-						
FLUORIDE	.215 MG/L		-				.37 MG/L		-						
NITRATE	24.6 MG/L		J				79.4 MG/L		-						
PHENOLS	.01 MG/L		U				.01 MG/L		U						
PHOSPHORUS							.03 MG/L		-						
SULFATE	113 MG/L		-				105 MG/L		-						
SULFIDE	.5 MG/L		UJ				.5 MG/L		U						
TOTAL ORGANIC CARBON	2.51 MG/L		-				1.2 MG/L		U						
TOTAL ORGANIC HALIDES	.01 MG/L		R				.01 MG/L		U						
TOTAL ORGANIC NITROGEN	.11 MG/L		-				.38 MG/L		-						
INORGANICS															
ALUMINUM				.086 MG/L		-									
ARSENIC				.002 MG/L		U									
BARIUM				.083 MG/L		-									
CADMIUM				.007 MG/L		-									
CALCIUM				213 MG/L		-									
CHROMIUM				.029 MG/L		-									
COPPER				.014 MG/L		-									
IRON				.036 MG/L		-									
LEAD				.006 MG/L		-									
MAGNESIUM				60.4 MG/L		-									
MANGANESE				.085 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.01 MG/L		U									

SAMPLE NUMBER:	004205			004321			004321			004321			118728-2		
LAB:	IT			IT-KNOX			IT-KNOX			IT			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.018 MG/L		-									
POTASSIUM				5.45 MG/L		-									
SELENIUM				.002 MG/L		U									
SILICON				4.83 MG/L		-									
SILVER				.019 MG/L		-									
SODIUM				51.8 MG/L		-									
VANADIUM				.017 MG/L		-									
RADIONUCLIDES															
URANIUM-238	1.06 PCI/L	.31	-							1.08 PCI/L	.27	J	8.2 PCI/L	1.2	J
URANIUM, TOTAL	3.41 UG/L	.36	J							3.23 UG/L	.85	J	25 UG/L	1.7	-
URANIUM-234	1.35 PCI/L	.36	-							1.15 PCI/L	.28	J	7.2 PCI/L	1.1	J
THORIUM-230	1 PCI/L		U							1 PCI/L		UJ	.3 PCI/L	.2	R
RADIUM-226	1 PCI/L		R							1 PCI/L		U	.5 PCI/L	.3	UJ
URANIUM-235/236	1 PCI/L		U							1 PCI/L		UJ	.3 PCI/L	.1	J
THORIUM-232	1 PCI/L		U							1 PCI/L		UJ	.2 PCI/L	.4	R
THORIUM, TOTAL	2.9 UG/L		U							5 UG/L		UJ			
RADIUM-228	3 PCI/L		R							3 PCI/L		UJ	1.5 PCI/L	2	U
THORIUM-228	1 PCI/L		U							3.1 PCI/L	.94	J	.1 PCI/L	.5	R
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		U							1 PCI/L		U			
PLUTONIUM-238	1 PCI/L		U							1 PCI/L		U			
STRONTIUM-90	5 PCI/L		U							5 PCI/L		U			
TECHNETIUM-99	694 PCI/L	88	R							326 PCI/L	40	J			
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA													18.1 PCI/L	8.4	NV
GROSS BETA													104 PCI/L	24	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	118728			118728			118728			118728			004185		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			3.2.4		
LAB:	CORE			DATACHEM			DATACHEM			FERMCO			IT		
WELL OR BORING NUMBER:	2028			2028			2028			2028			2032		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	28-JUL-93			28-JUL-93			28-JUL-93			28-JUL-93			01-MAR-90		
NORTH COORDINATE:	481811.42			481811.42			481811.42			481811.42			480503.68		
EAST COORDINATE:	1378152.28			1378152.28			1378152.28			1378152.28			1378298.59		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							230 MG/L		-						
AMMONIA							1.3 MG/L		-						
BICARBONATE ALKALINITY							280 MG/L		-						
CARBONATE ALKALINITY							1 MG/L		U						
CHLORIDE							340 MG/L		-						
FLUORIDE							.2 MG/L		-						
NITRATE/NITRITE							210 MG/L		J						
PH							7 SU		-						
PHENOLS							.002 MG/L		UJ						
PHOSPHORUS							.19 MG/L		-						
SPECIFIC CONDUCTIVITY							3400 UMHOS/CM		-						
SULFATE							170 MG/L		-						
TOTAL DISSOLVED SOLIDS				2200 MG/L		J									
TOTAL KJELDAHL NITROGEN							1.3 MG/L		J						
TOTAL ORGANIC CARBON							2 MG/L		J						
TOTAL ORGANIC HALIDES							.02 MG/L		J						
TOTAL SOLIDS							2400 MG/L		J						
INORGANICS															
ALUMINUM				.0703 MG/L		U	.014 MG/L		U				.2 MG/L		-
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.001 MG/L		UJ	.001 MG/L		UJ				.002 MG/L		U
BARIUM				.0668 MG/L		-	.0655 MG/L		-				.043 MG/L		-
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						
CADMIUM				.003 MG/L		U	.003 MG/L		U				.005 MG/L		-
CALCIUM				332 MG/L		-	326 MG/L		-				98 MG/L		-

SAMPLE NUMBER:	118728			118728			118728			118728			004185		
LAB:	CORE			DATACHEM			DATACHEM			FERMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM				.0073 MG/L		-	.0158 MG/L		-				.035 MG/L		-
COBALT				.006 MG/L		U	.006 MG/L		U						
COPPER				.0063 MG/L		-	.0067 MG/L		-				.01 MG/L		U
CYANIDE				.01 MG/L		U	.01 MG/L		U						
IRON				.221 MG/L		J	.0672 MG/L		J				.294 MG/L		-
LEAD				.001 MG/L		UJ	.001 MG/L		UJ				.002 MG/L		U
MAGNESIUM				158 MG/L		-	154 MG/L		-				23.2 MG/L		-
MANGANESE				.305 MG/L		-	.299 MG/L		-				.032 MG/L		-
MERCURY				.0002 MG/L		U	.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM													.011 MG/L		-
NICKEL				.019 MG/L		U	.019 MG/L		U				.02 MG/L		U
POTASSIUM				9.3 MG/L		-	9.42 MG/L		-				2.33 MG/L		-
SELENIUM				.002 MG/L		J	.0018 MG/L		UJ				.002 MG/L		U
SILICON													4.54 MG/L		-
SILVER				.003 MG/L		UJ	.003 MG/L		UJ				.01 MG/L		-
SODIUM				118 MG/L		-	115 MG/L		-				11.9 MG/L		-
THALLIUM				.001 MG/L		UJ	.001 MG/L		UJ						
VANADIUM				.004 MG/L		U	.004 MG/L		U				.019 MG/L		-
ZINC				.0248 MG/L		-	.0169 MG/L		-						
RADIONUCLIDES															
URANIUM-238	7.9 PCI/L	.9	R												
URANIUM, TOTAL										25 UG/L		NV			
URANIUM-234	6.7 PCI/L	.8	R												
THORIUM-230	.4 PCI/L	.2	R												
RADIUM-226	1 PCI/L	.3	UJ												
URANIUM-235/236	.3 PCI/L	.5	R												
THORIUM-232	.1 PCI/L	.2	R												
RADIUM-228	3 PCI/L	1.1	U												
THORIUM-228	.1 PCI/L	1.1	R												
GROSS ALPHA	49.3 PCI/L	16.3	NV												
GROSS BETA	123 PCI/L	11	NV												
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						

SAMPLE NUMBER:	118728			118728			118728			118728			004185		
LAB:	CORE			DATACHEM			DATACHEM			FERMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		UJ						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004185			004185			120310			120310			120313		
TASK:	3.2.4			3.2.4			40.03.05			40.03.05			40.03.05		
LAB:	IT			IT/RSL			IT			IT			FERMCO		
WELL OR BORING NUMBER:	2032			2032			2032			2032			2032		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	01-MAR-90			01-MAR-90			07-JUN-93			07-JUN-93			07-JUN-93		
NORTH COORDINATE:	480503.68			480503.68			480503.68			480503.68			480503.68		
EAST COORDINATE:	1378298.59			1378298.59			1378298.59			1378298.59			1378298.59		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										262 MG/L		J			
AMMONIA	.1 MG/L		U							.1 MG/L		U			
CHLORIDE	16.1 MG/L		-							29.43 MG/L		J			
FLUORIDE	.28 MG/L		-							.19 MG/L		J			
NITRATE	31.2 MG/L		-							2.86 MG/L		J			
PHENOLS	.012 MG/L		-												
PHOSPHORUS	2.81 MG/L		-							2.13 MG/L		-			
SULFATE	64.6 MG/L		-							103.7 MG/L		J			
SULFIDE	.5 MG/L		U							11.6 MG/L		J			
TOTAL KJELDAHL NITROGEN										1.1 MG/L		J			
TOTAL ORGANIC CARBON	2.65 MG/L		-							1.77 MG/L		-			
TOTAL ORGANIC HALIDES	.033 MG/L		J							.01 MG/L		U			
TOTAL ORGANIC NITROGEN	.178 MG/L		J							1.1 MG/L		R			
INORGANICS															
ALUMINUM							.0449 MG/L		UJ						
ANTIMONY							.0587 MG/L		UR						
ARSENIC							.001 MG/L		UR						
BARIUM							.0395 MG/L		J						
BERYLLIUM							.0005 MG/L		UJ						
CADMIUM							.0031 MG/L		UR						
CALCIUM							93.6 MG/L		J						
CHROMIUM							.0046 MG/L		UR						
COBALT							.0042 MG/L		UR						
COPPER							.0026 MG/L		UR						
CYANIDE										.002 MG/L		UR			

SAMPLE NUMBER:	004185			004185			120310			120310			120313		
LAB:	IT			IT/RSL			IT			IT			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON							.0913 MG/L		UJ						
LEAD							.0028 MG/L		UJ						
MAGNESIUM							26.2 MG/L		J						
MANGANESE							.0018 MG/L		UJ						
MERCURY							.0001 MG/L		UR						
MOLYBDENUM							.0112 MG/L		J						
NICKEL							.0294 MG/L		J						
POTASSIUM							4.11 MG/L		UJ						
SELENIUM							.001 MG/L		UR						
SILICON							2.97 MG/L		J						
SILVER							.0035 MG/L		UR						
SODIUM							23.8 MG/L		J						
THALLIUM							.001 MG/L		UR						
VANADIUM							.0021 MG/L		UR						
ZINC							.0071 MG/L		UJ						
RADIONUCLIDES															
URANIUM-238				15.4 PCI/L	2	-	7.29 PCI/L	1.67	J						
URANIUM, TOTAL				68.9 UG/L	8.7	-	20.1 UG/L	2.7	-				24 UG/L		NV
URANIUM-234				11.9 PCI/L	1.6	-	5.32 PCI/L	1.25	J						
THORIUM-230				1.39 PCI/L	.32	J	.74 PCI/L	.35	J						
RADIUM-226				1 PCI/L		UJ	1 PCI/L	.11	UJ						
LEAD-210							3 PCI/L	1.193	UNV						
URANIUM-235/236				1 PCI/L		U	.24 PCI/L	.14	J						
THORIUM-232				1 PCI/L		U	.2 PCI/L		UJ						
THORIUM, TOTAL				1.5 UG/L		U	.8 UG/L	.57	UJ						
RADIUM-228				3 PCI/L		U	3 PCI/L		UJ						
THORIUM-228				1 PCI/L		U	.27 PCI/L		UJ						
NEPTUNIUM-237				1 PCI/L		U	.7383 PCI/L	.3137	J						
PLUTONIUM-239/240				1 PCI/L		U	.5 PCI/L	.1437	UJ						
PLUTONIUM-238				1 PCI/L		U	.5 PCI/L	.2059	UJ						
STRONTIUM-90				5 PCI/L		U	1 PCI/L	.473	UJ						
TECHNETIUM-99				30 PCI/L		U	15 PCI/L		UJ						
RUTHENIUM-106				150 PCI/L		R	150 PCI/L		UJ						
CESIUM-137				20 PCI/L		R	14 PCI/L		UJ						
GROSS ALPHA										29.2 PCI/L	9.3	NV			
GROSS BETA										8.46 PCI/L	3.48	NV			
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			

SAMPLE NUMBER:	004185			004185			120310			120310			120313		
LAB:	IT			IT/RSL			IT			IT			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		UJ			
4-METHYL-2-PENTANONE										10 UG/L		UJ			
ACETONE										10 UG/L		U			
BENZENE										10 UG/L		UJ			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		UJ			
BROMOMETHANE										10 UG/L		UJ			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		UJ			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		UJ			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		UJ			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		UJ			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL ACETATE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120315			120315			120318			109217			109220		
TASK:	40.03.05			40.03.05			40.03.05			40.03.05			40.03.05		
LAB:	IT			IT			FERMCO			IT			FERMCO		
WELL OR BORING NUMBER:	2032			2032			2032			2032			2032		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-JUN-93			07-JUN-93			07-JUN-93			14-MAY-93			14-MAY-93		
NORTH COORDINATE:	480503.68			480503.68			480503.68			480503.68			480503.68		
EAST COORDINATE:	1378298.59			1378298.59			1378298.59			1378298.59			1378298.59		
QA TYPE:	DUPLICATE			DUPLICATE			DUPLICATE			NORMAL			NORMAL		
QC OF:	120310			120310			120308								
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				269 MG/L		J				238 MG/L		NV			
AMMONIA				.1 MG/L		U				.1 MG/L		UNV			
CHLORIDE				30.76 MG/L		J				23.2 MG/L		NV			
FLUORIDE				.2 MG/L		J				.18 MG/L		NV			
NITRATE				2.98 MG/L		J				2.1 MG/L		NV			
PHENOLS										.01 MG/L		UNV			
PHOSPHORUS				2.29 MG/L		-				.03 MG/L		NV			
SULFATE				112.6 MG/L		J				48 MG/L		NV			
SULFIDE				.5 MG/L		UJ				.5 MG/L		UNV			
TOTAL KJELDAHL NITROGEN				.83 MG/L		J				.12 MG/L		NV			
TOTAL ORGANIC CARBON				1.8 MG/L		-				1.4 MG/L		NV			
TOTAL ORGANIC HALIDES				.0192 MG/L		-				.0105 MG/L		NV			
TOTAL ORGANIC NITROGEN				.83 MG/L		R				.12 MG/L		NV			
INORGANICS															
ALUMINUM	.0641 MG/L		UJ							.102 MG/L		NV			
ANTIMONY	.0587 MG/L		UR							.005 MG/L		UNV			
ARSENIC	.001 MG/L		J							.002 MG/L		UNV			
BARIUM	.0379 MG/L		J							.0331 MG/L		NV			
BERYLLIUM	.00057 MG/L		UJ							.002 MG/L		UNV			
CADMIUM	.0031 MG/L		UR							.005 MG/L		UNV			
CALCIUM	93 MG/L		J							84.5 MG/L		NV			
CHROMIUM	.0046 MG/L		UR							.01 MG/L		UNV			
COBALT	.0042 MG/L		UR							.01 MG/L		UNV			
COPPER	.0056 MG/L		UJ							.01 MG/L		UNV			
CYANIDE				.002 MG/L		UR				.002 MG/L		UNV			

SAMPLE NUMBER:	120315			120315			120318			109217			109220		
LAB:	IT			IT			FERMCO			IT			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	.266 MG/L		UJ							.02 MG/L		UNV			
LEAD	.0035 MG/L		UJ							.002 MG/L		UNV			
MAGNESIUM	27 MG/L		J							24.4 MG/L		NV			
MANGANESE	.0066 MG/L		UJ							.01 MG/L		UNV			
MERCURY	.0001 MG/L		UR							.0002 MG/L		UNV			
MOLYBDENUM	.0108 MG/L		J							.01 MG/L		UNV			
NICKEL	.0318 MG/L		J							.02 MG/L		UNV			
POTASSIUM	4.15 MG/L		UJ							2.14 MG/L		NV			
SELENIUM	.001 MG/L		UR							.002 MG/L		UNV			
SILICON	2.93 MG/L		J							2.26 MG/L		NV			
SILVER	.0035 MG/L		UR							.01 MG/L		UNV			
SODIUM	26.7 MG/L		J							17.3 MG/L		NV			
THALLIUM	.001 MG/L		UR							.002 MG/L		UNV			
VANADIUM	.0021 MG/L		UR							.01 MG/L		UNV			
ZINC	.0095 MG/L		UJ							.005 MG/L		UNV			
RADIONUCLIDES															
URANIUM-238	7.58 PCI/L	1.7	J							6.77 PCI/L	1.95	J			
URANIUM, TOTAL	21 UG/L	2.8	-				22 UG/L		NV	20 UG/L	2.9	-	21 UG/L		NV
URANIUM-234	5.02 PCI/L	1.17	J							4.86 PCI/L	1.5	J			
THORIUM-230	.38 PCI/L	.24	UJ							.26 PCI/L		UJ			
RADIUM-226	1 PCI/L	.08	UJ							1 PCI/L	.11	UJ			
LEAD-210	3 PCI/L		UNV												
URANIUM-235/236	.24 PCI/L	.14	J							.37 PCI/L		UJ			
THORIUM-232	.2 PCI/L		UJ							.2 PCI/L		UJ			
THORIUM, TOTAL	.8 UG/L	0	UJ							.5 UG/L	.24	UJ			
RADIUM-228	3 PCI/L		UJ							3 PCI/L		UJ			
THORIUM-228	.27 PCI/L		UJ							.29 PCI/L		UJ			
NEPTUNIUM-237	.55 PCI/L	.25	UJ							.11 PCI/L		R			
PLUTONIUM-239/240	.5 PCI/L	.15	UJ							.5 PCI/L		UJ			
PLUTONIUM-238	.5 PCI/L	.13	UJ							.5 PCI/L		UJ			
STRONTIUM-90	1 PCI/L	.48	UJ							1 PCI/L		UJ			
TECHNETIUM-99	15 PCI/L		UJ							15 PCI/L		UJ			
RUTHENIUM-106	150 PCI/L		UJ							150 PCI/L		UJ			
CESIUM-137	16.6 PCI/L		UJ							20 PCI/L		UJ			
GROSS ALPHA				14 PCI/L	6.1	NV				11.3 PCI/L	4.4	NV			
GROSS BETA				8.08 PCI/L	2.92	NV				7.49 PCI/L	2.16	NV			
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U				10 UG/L		UNV			

SAMPLE NUMBER:	120315			120315			120318			109217			109220		
LAB:	IT			IT			FERMCO			IT			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U				10 UG/L		UNV			
1,1,2-TRICHLOROETHANE				10 UG/L		U				10 UG/L		UNV			
1,1-DICHLOROETHANE				10 UG/L		U				10 UG/L		UNV			
1,1-DICHLOROETHENE				10 UG/L		U				10 UG/L		UNV			
1,2-DICHLOROETHANE				10 UG/L		U				10 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U				10 UG/L		UNV			
1,2-DICHLOROPROPANE				10 UG/L		U				10 UG/L		UNV			
2-BUTANONE				10 UG/L		U				10 UG/L		UNV			
2-HEXANONE				10 UG/L		UJ				10 UG/L		UNV			
4-METHYL-2-PENTANONE				10 UG/L		UJ				10 UG/L		UNV			
ACETONE				10 UG/L		U				10 UG/L		UNV			
BENZENE				10 UG/L		U				10 UG/L		UNV			
BROMODICHLOROMETHANE				10 UG/L		U				10 UG/L		UNV			
BROMOFORM				10 UG/L		UJ				10 UG/L		UNV			
BROMOMETHANE				10 UG/L		UJ				10 UG/L		UNV			
CARBON DISULFIDE				10 UG/L		U				10 UG/L		UNV			
CARBON TETRACHLORIDE				10 UG/L		U				10 UG/L		UNV			
CHLOROBENZENE				10 UG/L		U				10 UG/L		UNV			
CHLOROETHANE				10 UG/L		U				10 UG/L		UNV			
CHLOROFORM				10 UG/L		U				10 UG/L		UNV			
CHLOROMETHANE				10 UG/L		UJ				10 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				10 UG/L		U				10 UG/L		UNV			
DIBROMOCHLOROMETHANE				10 UG/L		U				10 UG/L		UNV			
ETHYLBENZENE				10 UG/L		U				10 UG/L		UNV			
METHYLENE CHLORIDE				10 UG/L		U				1 UG/L		NV			
STYRENE				10 UG/L		U				10 UG/L		UNV			
TETRACHLOROETHENE				10 UG/L		U				10 UG/L		UNV			
TOLUENE				10 UG/L		U				10 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U				10 UG/L		UNV			
TRICHLOROETHENE				10 UG/L		U				10 UG/L		UNV			
VINYL ACETATE				10 UG/L		U				10 UG/L		UNV			
VINYL CHLORIDE				10 UG/L		U				10 UG/L		UNV			
XYLENES, TOTAL				10 UG/L		U				10 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004299	004299	120080	120080	120080
TASK:	3.2.4	3.2.4	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	FERMCO	NET	NET
WELL OR BORING NUMBER:	2032	2032	2033	2033	2033
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-JUN-90	29-JUN-90	15-JUN-93	15-JUN-93	15-JUN-93
NORTH COORDINATE:	480503.68	480503.68	480411.1	480411.1	480411.1
EAST COORDINATE:	1378298.59	1378298.59	1378687.33	1378687.33	1378687.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													236 MG/L		-
AMMONIA				.1 MG/L		U							.06 MG/L		-
BICARBONATE ALKALINITY													311 MG/L		-
CARBONATE ALKALINITY													3 MG/L		U
CHLORIDE				11.7 MG/L		-							28 MG/L		-
FLUORIDE				.21 MG/L		-							.26 MG/L		U
NITRATE				3.32 MG/L		J							1.41 MG/L		-
NITRATE/NITRITE													1.41 MG/L		-
PH				.012 MG/L		-							7.32 SU		-
PHENOLS				.012 MG/L		-							.01 MG/L		U
PHOSPHORUS				.13 MG/L		-							.1 MG/L		U
SPECIFIC CONDUCTIVITY													593 UMHOS/CM		-
SULFATE				46.4 MG/L		-							78 MG/L		-
SULFIDE				.5 MG/L		UJ									
TOTAL DISSOLVED SOLIDS										375 MG/L		-			
TOTAL KJELDAHL NITROGEN													.24 MG/L		-
TOTAL ORGANIC CARBON				3.17 MG/L		-							1 MG/L		U
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC HALOGENS													.01 MG/L		U
TOTAL ORGANIC NITROGEN				.31 MG/L		-							.18 MG/L		-
TOTAL SOLIDS													395 MG/L		-
INORGANICS															
ALUMINUM	.06 MG/L		U							.0296 MG/L		U	.225 MG/L		-
ANTIMONY										.045 MG/L		U	.045 MG/L		U
ARSENIC	.002 MG/L		U							.002 MG/L		U	.002 MG/L		U

SAMPLE NUMBER:	004299			004299			120080			120080			120080		
LAB:	IT			IT			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BARIUM	.036 MG/L		-							.0377 MG/L		-	.0402 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM	.003 MG/L		-							.0037 MG/L		U	.003 MG/L		U
CALCIUM	82.6 MG/L		-							79.7 MG/L		-	83.5 MG/L		-
CHROMIUM	.03 MG/L		-							.005 MG/L		U	.005 MG/L		U
COBALT										.008 MG/L		U	.008 MG/L		U
COPPER	.01 MG/L		U							.0032 MG/L		-	.0054 MG/L		U
CYANIDE										.01 MG/L		U	.01 MG/L		UJ
IRON	.031 MG/L		-							.0402 MG/L		U	.632 MG/L		-
LEAD	.002 MG/L		U							.0018 MG/L		U	.0024 MG/L		U
MAGNESIUM	23 MG/L		-							19.7 MG/L		-	20.9 MG/L		-
MANGANESE	.012 MG/L		-							.0024 MG/L		U	.0291 MG/L		-
MERCURY	.0002 MG/L		UJ							.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM	.01 MG/L		U												
NICKEL	.02 MG/L		U							.02 MG/L		U	.02 MG/L		U
POTASSIUM	1.66 MG/L		-							2.48 MG/L		-	2.51 MG/L		-
SELENIUM	.002 MG/L		U							.001 MG/L		U	.0017 MG/L		J
SILICON	3.76 MG/L		-												
SILVER	.015 MG/L		-							.007 MG/L		U	.007 MG/L		U
SODIUM	13.2 MG/L		-							12.8 MG/L		-	12.9 MG/L		-
THALLIUM										.002 MG/L		U	.002 MG/L		U
VANADIUM	.013 MG/L		-							.003 MG/L		U	.003 MG/L		U
ZINC										.0182 MG/L		U	.0202 MG/L		U
RADIONUCLIDES															
URANIUM-238				14.4 PCI/L	1.9	-									
URANIUM, TOTAL				39.9 UG/L	6.1	J	3.3 UG/L		NV						
URANIUM-234				13.6 PCI/L	1.8	J									
THORIUM-230				14.7 PCI/L	3.3	-									
RADIUM-226				1 PCI/L		UJ									
URANIUM-235/236				1.42 PCI/L	.36	-									
THORIUM-232				1 PCI/L		U									
THORIUM, TOTAL				7.2 UG/L		U									
RADIUM-228				3 PCI/L		U									
THORIUM-228				4.29 PCI/L	1.33	J									
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		R									
PLUTONIUM-238				1 PCI/L		R									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		UJ									
RUTHENIUM-106				150 PCI/L		R									

SAMPLE NUMBER:	004299			004299			120080			120080			120080		
LAB:	IT			IT			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137				20 PCI/L		R									
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		UJ
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		UJ
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004208	004208	004334	004334	120054
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	50.03.23
LAB:	IT	IT	IT	IT	CORE
WELL OR BORING NUMBER:	2033	2033	2033	2033	2034
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-JUN-90	19-JUN-90	27-AUG-90	27-AUG-90	10-JUN-93
NORTH COORDINATE:	480411.1	480411.1	480411.1	480411.1	480240.05
EAST COORDINATE:	1378687.33	1378687.33	1378687.33	1378687.33	1378419.45
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.1 MG/L		-			
CHLORIDE				28 MG/L		J				25.2 MG/L		-			
FLUORIDE				.3 MG/L		J				.25 MG/L		-			
NITRATE				1.9 MG/L		-				2.27 MG/L		-			
PHENOLS				.058 MG/L		J				.01 MG/L		U			
PHOSPHORUS				1 MG/L		-				.02 MG/L		U			
SULFATE				91 MG/L		J				67.1 MG/L		-			
SULFIDE				8 MG/L		J				.5 MG/L		U			
TOTAL ORGANIC CARBON				2 MG/L		-				2.43 MG/L		-			
TOTAL ORGANIC HALIDES				.05 MG/L		U				.01 MG/L		U			
TOTAL ORGANIC NITROGEN				1 MG/L		J				.1 MG/L		U			
INORGANICS															
ALUMINUM	.04 MG/L		U				.06 MG/L		U						
ARSENIC	.003 MG/L		-				.002 MG/L		U						
BARIUM	.044 MG/L		-				.046 MG/L		J						
CADMIUM	.005 MG/L		U				.003 MG/L		J						
CALCIUM	92.8 MG/L		-				92.2 MG/L		J						
CHROMIUM	.01 MG/L		U				.012 MG/L		J						
COPPER	.01 MG/L		U				.01 MG/L		U						
IRON	.06 MG/L		-				.019 MG/L		J						
LEAD	.003 MG/L		J				.002 MG/L		U						
MAGNESIUM	23.1 MG/L		-				23.2 MG/L		J						
MANGANESE	.022 MG/L		-				.011 MG/L		J						
MERCURY	.001 MG/L		UJ				.0002 MG/L		U						
MOLYBDENUM	.01 MG/L		U				.01 MG/L		U						

SAMPLE NUMBER:	004208			004208			004334			004334			120054		
LAB:	IT			IT			IT			IT			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.02 MG/L		U				.02 MG/L		U						
POTASSIUM	1 MG/L		U				2.61 MG/L		J						
SELENIUM	.002 MG/L		UJ				.002 MG/L		U						
SILICON	2.6 MG/L		-				3.48 MG/L		J						
SILVER	.005 MG/L		UJ				.01 MG/L		J						
SODIUM	14.7 MG/L		-				14.8 MG/L		J						
VANADIUM	.01 MG/L		U				.01 MG/L		U						
RADIONUCLIDES															
URANIUM-238				14.5 PCI/L	1.8	-				12.3 PCI/L	1.6	-	4.4 PCI/L	.6	J
URANIUM, TOTAL				39.8 UG/L	.53	-				40.3 UG/L	5.7	J	11.8 UG/L	.8	-
URANIUM-234				14 PCI/L	1.8	-				11.9 PCI/L	1.5	-	3.1 PCI/L	.6	J
THORIUM-230				1 PCI/L		UJ				1 PCI/L		U	.2 PCI/L	.2	UJ
RADIUM-226				1 PCI/L		U				1 PCI/L		UJ	1 PCI/L	.4	UJ
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U	.2 PCI/L	.5	UJ
THORIUM-232				1 PCI/L		UJ				1 PCI/L		U	.2 PCI/L	.2	UJ
THORIUM, TOTAL				5.85 UG/L	2.29	J				3.1 UG/L		U			
RADIUM-228				3 PCI/L		UJ				3 PCI/L		UJ	3 PCI/L	.8	UJ
THORIUM-228				1 PCI/L		UJ				1.69 PCI/L	.5	-	.2 PCI/L	.2	UJ
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				35.1 PCI/L		UJ				36.6 PCI/L	19	J			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			
GROSS ALPHA													3.3 PCI/L	1.8	NV
GROSS BETA													8.7 PCI/L	1.5	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120054	120054-1	120054-1	120054-1	120054-1
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	FERMCO	FERMCO	NET	NET
WELL OR BORING NUMBER:	2034	2034	2034	2034	2034
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-JUN-93	14-JUN-93	14-JUN-93	14-JUN-93	14-JUN-93
NORTH COORDINATE:	480240.05	480240.05	480240.05	480240.05	480240.05
EAST COORDINATE:	1378419.45	1378419.45	1378419.45	1378419.45	1378419.45
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													224 MG/L		-
AMMONIA													.03 MG/L		-
BICARBONATE ALKALINITY													305 MG/L		-
CARBONATE ALKALINITY													3 MG/L		U
CHLORIDE													26 MG/L		-
FLUORIDE													.24 MG/L		-
NITRATE/NITRITE													1.74 MG/L		-
PH													7.29 SU		-
PHENOLS													.01 MG/L		U
PHOSPHORUS													.1 MG/L		U
SPECIFIC CONDUCTIVITY													623 UMHOS/CM		-
SULFATE													66 MG/L		-
TOTAL DISSOLVED SOLIDS										413 MG/L		-			
TOTAL KJELDAHL NITROGEN													.1 MG/L		U
TOTAL ORGANIC CARBON													1 MG/L		U
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC NITROGEN													.1 MG/L		U
TOTAL SOLIDS													399 MG/L		-
INORGANICS															
ALUMINUM										.02 MG/L		U	.0321 MG/L		-
ANTIMONY										.045 MG/L		U	.045 MG/L		U
ARSENIC										.003 MG/L		UJ	.003 MG/L		U
BARIUM										.0386 MG/L		-	.0381 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.003 MG/L		U	.003 MG/L		U

SAMPLE NUMBER:	120054			120054-1			120054-1			120054-1			120054-1		
LAB:	CORE			FERMCO			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM										80.3 MG/L		-	80.2 MG/L		-
CHROMIUM										.005 MG/L		U	.005 MG/L		U
COBALT										.008 MG/L		U	.008 MG/L		U
COPPER										.0052 MG/L		U	.0072 MG/L		U
CYANIDE										.01 MG/L		UJ	.01 MG/L		U
IRON										.0267 MG/L		U	.101 MG/L		-
LEAD										.002 MG/L		UJ	.0027 MG/L		-
MAGNESIUM										21.2 MG/L		-	21.2 MG/L		-
MANGANESE										.0016 MG/L		U	.0041 MG/L		U
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.02 MG/L		U	.02 MG/L		U
POTASSIUM										2.68 MG/L		U	2.77 MG/L		U
SELENIUM										.001 MG/L		U	.001 MG/L		U
SILVER										.007 MG/L		UJ	.007 MG/L		UJ
SODIUM										14.3 MG/L		-	15.2 MG/L		J
THALLIUM										.0022 MG/L		-	.002 MG/L		U
VANADIUM										.003 MG/L		U	.003 MG/L		U
ZINC										.033 MG/L		U	.0204 MG/L		U
RADIONUCLIDES															
URANIUM-238	3.7 PCI/L	1	R												
URANIUM, TOTAL	12.8 UG/L	.9	-	13 UG/L		NV	13 UG/L		NV						
URANIUM-234	3.5 PCI/L	1	R												
THORIUM-230	.3 PCI/L	.3	UJ												
RADIUM-226	1 PCI/L	.2	UJ												
URANIUM-235/236	.1 PCI/L	.3	R												
THORIUM-232	.2 PCI/L	.2	UJ												
THORIUM, TOTAL	.912 PCI/L	.2	NV												
RADIUM-228	3 PCI/L	1.3	U												
THORIUM-228	.2 PCI/L	.2	UJ												
GROSS ALPHA	2.7 PCI/L	1.7	UNV												
GROSS BETA	10.1 PCI/L	1.6	NV												
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U

SAMPLE NUMBER:	120054			120054-1			120054-1			120054-1			120054-1		
LAB:	CORE			FERMCO			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		U
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		UJ
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066844			EMGW_SYSGEN_501			EMGW_SYSGEN_500			EMGW_SYSGEN_500			003835		
TASK:	9.27			GWMON			GWMON			GWMON			3.2.4		
LAB:	IT			NET			IT			NET			IT		
WELL OR BORING NUMBER:	2034			2034			2034			2034			2034		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-DEC-89			18-OCT-90			19-APR-90			19-APR-90			19-JAN-89		
NORTH COORDINATE:	480240.05			480240.05			480240.05			480240.05			480240.05		
EAST COORDINATE:	1378419.45			1378419.45			1378419.45			1378419.45			1378419.45		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				224 MG/L		NV									
AMMONIA				.09 MG/L		NV									
CHLORIDE				24 MG/L		NV				25 MG/L		NV			
FLUORIDE				.19 MG/L		NV									
NITRATE, AS NITROGEN										2.63 MG/L		NV			
NITRATE/NITRITE				2.24 MG/L		NV									
PH				7.4 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.89 MG/L		NV									
SPECIFIC CONDUCTIVITY				612 UMHOS/CM		NV									
SULFATE				63 MG/L		NV				80 MG/L		NV			
TOTAL DISSOLVED SOLIDS				406 MG/L		NV									
TOTAL ORGANIC CARBON				2 MG/L		NV				1 MG/L		NV			
TOTAL ORGANIC HALOGENS				.062 MG/L		NV				.01 MG/L		UNV			
INORGANICS															
ARSENIC													.002 MG/L		U
BARIUM													.043 MG/L		-
CADMIUM													.004 MG/L		-
CALCIUM													88 MG/L		-
CHROMIUM													.022 MG/L		-
COPPER													.012 MG/L		-
CYANIDE				.005 MG/L		UNV									
IRON													.047 MG/L		U
LEAD													.002 MG/L		UJ
MAGNESIUM													22.4 MG/L		-

SAMPLE NUMBER:	066844			EMGW_SYSGEN_501			EMGW_SYSGEN_500			EMGW_SYSGEN_500			003835		
LAB:	IT			NET			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE													.006 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.02 MG/L		U
NICKEL													.021 MG/L		-
POTASSIUM													2.84 MG/L		-
SELENIUM													.002 MG/L		UJ
SILVER													.0005 MG/L		U
SODIUM													12.8 MG/L		-
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	5.18 PCI/L	.8	-				5.54 PCI/L		NV						
URANIUM, TOTAL	20 UG/L	3.4	-				18.2 UG/L		NV						
URANIUM-234	5.05 PCI/L	.78	-				5.07 PCI/L		NV						
THORIUM-230	1 PCI/L		U				.513 PCI/L		NV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236	1 PCI/L		U				.303 PCI/L		NV						
THORIUM-232							.49 PCI/L		UNV						
THORIUM, TOTAL							4.4 UG/L		UNV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228	1 PCI/L		U				.49 PCI/L		UNV						
TECHNETIUM-99	30 PCI/L		U												
GROSS ALPHA							21.8 PCI/L	.013	NV						
GROSS BETA							30.8 PCI/L	.0148	NV						
SEMIVOLATILES															
1,3-DICHLOROBENZENE										1 UG/L		UNV			
1,4-DICHLOROBENZENE										1 UG/L		UNV			
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV				60 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			

SAMPLE NUMBER:	066844			EMGW_SYSGEN_501			EMGW_SYSGEN_500			EMGW_SYSGEN_500			003835		
LAB:	IT			NET			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV				1 UG/L		UNV			
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV				1 UG/L		UNV			
BROMODICHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
BROMOFORM				1 UG/L		UNV				1 UG/L		UNV			
BROMOMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROBENZENE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV				1 UG/L		UNV			
CHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
ETHYLBENZENE				1 UG/L		UNV				1 UG/L		UNV			
METHYLENE CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
TOLUENE				1 UG/L		UNV				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
TRICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
TRICHLOROFLUOROMETHANE										1 UG/L		UNV			
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003835			003223			003223			003224			003224		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2034			2034			2034			2034			2034		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-JAN-89			23-MAY-88			23-MAY-88			23-MAY-88			23-MAY-88		
NORTH COORDINATE:	480240.05			480240.05			480240.05			480240.05			480240.05		
EAST COORDINATE:	1378419.45			1378419.45			1378419.45			1378419.45			1378419.45		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			DUPLICATE		
QC OF:										003223			003223		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U				.5 MG/L		UJ				.5 MG/L		UJ
CHLORIDE	21 MG/L		-				24 MG/L		J				23.6 MG/L		J
FLUORIDE	.16 MG/L		-				.13 MG/L		J				.11 MG/L		J
NITRATE	2.2 MG/L		J				3.96 MG/L		J				3.28 MG/L		J
PHENOLS	.01 MG/L		R				.05 MG/L		UJ				.05 MG/L		J
PHOSPHORUS	523 MG/L		-												
SULFATE	59.5 MG/L		-				63.9 MG/L		J				63.9 MG/L		J
TOTAL KJELDAHL NITROGEN	.473 MG/L		-				.5 MG/L		UJ				1.55 MG/L		J
TOTAL ORGANIC HALIDES	.02 MG/L		-												
TOTAL ORGANIC NITROGEN	.473 MG/L		-				.5 MG/L		UJ				1.55 MG/L		J
INORGANICS															
ALUMINUM				.0761 MG/L		J				.117 MG/L		J			
ANTIMONY				.0467 MG/L		UJ				.0467 MG/L		UJ			
ARSENIC				.0019 MG/L		UJ				.0019 MG/L		UJ			
BARIUM				.0405 MG/L		J				.0409 MG/L		J			
BERYLLIUM				.0024 MG/L		UJ				.0024 MG/L		UJ			
CADMIUM				.0007 MG/L		UJ				.0007 MG/L		UJ			
CALCIUM				98.7 MG/L		J				98.9 MG/L		J			
CHROMIUM				.0017 MG/L		UJ				.0017 MG/L		UJ			
COBALT				.0052 MG/L		UJ				.0052 MG/L		UJ			
COPPER				.0067 MG/L		UJ				.0067 MG/L		UJ			
CYANIDE							.02 MG/L		UJ				.02 MG/L		UJ
IRON				.214 MG/L		J				.319 MG/L		J			
LEAD				.0021 MG/L		UJ				.0021 MG/L		UJ			
MAGNESIUM				234 MG/L		J				23.4 MG/L		J			

SAMPLE NUMBER:	003835			003223			003223			003224			003224		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE				.025 MG/L		J				.0286 MG/L		J			
MERCURY				.00029 MG/L		R				.00029 MG/L		R			
MOLYBDENUM				.0333 MG/L		UJ				.0333 MG/L		UJ			
NICKEL				.0123 MG/L		UJ				.0123 MG/L		UJ			
POTASSIUM				2.83 MG/L		J				2.77 MG/L		J			
SELENIUM				.0019 MG/L		J				.0018 MG/L		UJ			
SILVER				.0043 MG/L		UJ				.0043 MG/L		UJ			
SODIUM				12.1 MG/L		J				12.1 MG/L		J			
THALLIUM				.0041 MG/L		UJ				.0041 MG/L		UJ			
VANADIUM				.0034 MG/L		UJ				.0034 MG/L		UJ			
ZINC				.0119 MG/L		J				.0194 MG/L		J			
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL							5 UG/L		U				5 UG/L		U
DEMETON							1 UG/L		U				1 UG/L		U
DIAZINON							.5 UG/L		U				.5 UG/L		U
DISULFOTON							.5 UG/L		U				.5 UG/L		U
ETHION							.5 UG/L		U				.5 UG/L		U
MALATHION							1 UG/L		U				1 UG/L		U
METHYL PARATHION							1 UG/L		U				1 UG/L		U
PARATHION							.5 UG/L		U				.5 UG/L		U
PESTICIDES															
4,4'-DDD							.1 UG/L		U				.1 UG/L		U
4,4'-DDE							.1 UG/L		U				.1 UG/L		U
4,4'-DDT							.1 UG/L		U				.1 UG/L		U
ALDRIN							.05 UG/L		U				.05 UG/L		U
ALPHA-BHC							.05 UG/L		U				.05 UG/L		U
ALPHA-CHLORDANE							.5 UG/L		U				.5 UG/L		U
AROCLOR-1016							.5 UG/L		U				.5 UG/L		U
AROCLOR-1221							.5 UG/L		U				.5 UG/L		U
AROCLOR-1232							.5 UG/L		U				.5 UG/L		U
AROCLOR-1242							.5 UG/L		U				.5 UG/L		U
AROCLOR-1248							.5 UG/L		U				.5 UG/L		U
AROCLOR-1254							1 UG/L		U				1 UG/L		U
AROCLOR-1260							1 UG/L		U				1 UG/L		U
BETA-BHC							.05 UG/L		U				.05 UG/L		U
DELTA-BHC							.05 UG/L		U				.05 UG/L		U
DIELDRIN							.05 UG/L		U				.05 UG/L		U
ENDOSULFAN II							.1 UG/L		U				.1 UG/L		U

SAMPLE NUMBER:	003835			003223			003223			003224			003224		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDOSULFAN SULFATE							.1 UG/L		U				.1 UG/L		U
ENDOSULFAN-I							.05 UG/L		U				.05 UG/L		U
ENDRIN							.05 UG/L		U				.05 UG/L		U
ENDRIN KETONE							.1 UG/L		U				.1 UG/L		U
GAMMA-BHC (LINDANE)							.05 UG/L		U				.05 UG/L		U
GAMMA-CHLORDANE							.5 UG/L		U				.5 UG/L		U
HEPTACHLOR							.05 UG/L		U				.05 UG/L		U
HEPTACHLOR EPOXIDE							.05 UG/L		U				.05 UG/L		U
METHOXYCHLOR							.5 UG/L		U				.5 UG/L		U
TOXAPHENE							1 UG/L		U				1 UG/L		U
RADIONUCLIDES															
URANIUM-238	6.7 PCI/L	1	-				5.5 PCI/L	.8	J				5.7 PCI/L	.8	J
URANIUM, TOTAL	19 UG/L	3	-				15 UG/L	3	R				15 UG/L	2	R
URANIUM-234	5.4 PCI/L	.8	-				4.5 PCI/L	.6	J				5.2 PCI/L	.8	J
THORIUM-230	1 PCI/L		U				1 PCI/L	.3	J				1 PCI/L		UJ
RADIUM-226	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM-235/236	1 PCI/L		U				1 PCI/L		UJ				1 PCI/L		UJ
THORIUM-232	1 PCI/L		U				1 PCI/L		UJ				1 PCI/L		UJ
THORIUM, TOTAL	3 UG/L		U												
RADIUM-228	3 PCI/L		U				3 PCI/L		UJ				3 PCI/L		UJ
THORIUM-228	1 PCI/L		U				1 PCI/L		UJ				1 PCI/L		UJ
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		UJ				1 PCI/L		UJ
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		UJ				1 PCI/L		UJ
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		UJ				1 PCI/L		UJ
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		UJ				30 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R				150 PCI/L		R
CESIUM-137	20 PCI/L		R				20 PCI/L		R				20 PCI/L		R
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U				10 UG/L		U
1,2-DICHLOROBENZENE							10 UG/L		U				10 UG/L		U
1,3-DICHLOROBENZENE							10 UG/L		U				10 UG/L		U
1,4-DICHLOROBENZENE							10 UG/L		U				10 UG/L		U
2,4,5-TRICHLOROPHENOL							50 UG/L		U				50 UG/L		U
2,4,6-TRICHLOROPHENOL							10 UG/L		U				10 UG/L		U
2,4-DICHLOROPHENOL							10 UG/L		U				10 UG/L		U
2,4-DIMETHYLPHENOL							10 UG/L		U				10 UG/L		U
2,4-DINITROPHENOL							50 UG/L		UJ				50 UG/L		UJ

SAMPLE NUMBER:	003835			003223			003223			003224			003224		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DINITROTOLUENE							10 UG/L		U				10 UG/L		U
2,6-DINITROTOLUENE							10 UG/L		U				10 UG/L		U
2-CHLORONAPHTHALENE							10 UG/L		U				10 UG/L		U
2-CHLOROPHENOL							10 UG/L		U				10 UG/L		U
2-METHYLNAPHTHALENE							10 UG/L		U				10 UG/L		U
2-METHYLPHENOL							10 UG/L		U				10 UG/L		U
2-NITROANILINE							50 UG/L		U				50 UG/L		U
2-NITROPHENOL							10 UG/L		U				10 UG/L		U
3,3'-DICHLOROBENZIDINE							20 UG/L		U				20 UG/L		U
3-NITROANILINE							50 UG/L		U				50 UG/L		U
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		UJ				50 UG/L		UJ
4-BROMOPHENYL PHENYL ETHER							10 UG/L		UJ				10 UG/L		UJ
4-CHLORO-3-METHYLPHENOL							10 UG/L		U				10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U				10 UG/L		U
4-METHYLPHENOL							10 UG/L		U				10 UG/L		U
4-NITROANILINE							50 UG/L		U				50 UG/L		U
4-NITROPHENOL							50 UG/L		UJ				50 UG/L		UJ
ACENAPHTHENE							10 UG/L		U				10 UG/L		U
ACENAPHTHYLENE							10 UG/L		U				10 UG/L		U
ANTHRACENE							10 UG/L		U				10 UG/L		U
BENZO(A)ANTHRACENE							10 UG/L		U				10 UG/L		U
BENZO(A)PYRENE							10 UG/L		U				10 UG/L		U
BENZO(B)FLUORANTHENE							10 UG/L		U				10 UG/L		U
BENZO(G,H,I)PERYLENE							10 UG/L		U				10 UG/L		U
BENZO(K)FLUORANTHENE							10 UG/L		U				10 UG/L		U
BENZOIC ACID							50 UG/L		U				50 UG/L		U
BENZYL ALCOHOL							10 UG/L		UJ				10 UG/L		UJ
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U				10 UG/L		U
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U				10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U				10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		UJ				10 UG/L		UJ
BUTYL BENZYL PHTHALATE							1 UG/L		J				1 UG/L		J
CHRYSENE							10 UG/L		U				10 UG/L		U
DI-N-BUTYL PHTHALATE							6 UG/L		U				6 UG/L		U
DI-N-OCTYL PHTHALATE							10 UG/L		UJ				10 UG/L		UJ
DIBENZO(A,H)ANTHRACENE							10 UG/L		U				10 UG/L		U
DIBENZOFURAN							10 UG/L		U				10 UG/L		U
DIETHYL PHTHALATE							10 UG/L		U				10 UG/L		U
DIMETHYL PHTHALATE							10 UG/L		U				10 UG/L		U
FLUORANTHENE							10 UG/L		U				10 UG/L		U
FLUORENE							10 UG/L		U				10 UG/L		U

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SAMPLE NUMBER:	003835			003223			003223			003224			003224		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
HEXACHLOROBENZENE							10 UG/L		UJ				10 UG/L		UJ
HEXACHLOROBUTADIENE							10 UG/L		U				10 UG/L		U
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U				10 UG/L		U
HEXACHLOROETHANE							10 UG/L		U				10 UG/L		U
INDENO(1,2,3-CD)PYRENE							10 UG/L		U				10 UG/L		U
ISOPHORONE							10 UG/L		U				10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U				10 UG/L		U
N-NITROSODIPHENYLAMINE							50 UG/L		U				50 UG/L		U
NAPHTHALENE							10 UG/L		U				10 UG/L		U
NITROBENZENE							10 UG/L		U				10 UG/L		U
P-CHLOROANILINE							10 UG/L		U				10 UG/L		U
PENTACHLOROPHENOL							50 UG/L		UJ				50 UG/L		UJ
PHENANTHRENE							10 UG/L		U				10 UG/L		U
PHENOL	.01 MG/L		R				10 UG/L		U				10 UG/L		U
PYRENE							10 UG/L		U				10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		U				5 UG/L		U
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U				5 UG/L		U
1,1,2-TRICHLOROETHANE							5 UG/L		U				5 UG/L		U
1,1-DICHLOROETHANE							5 UG/L		U				5 UG/L		U
1,1-DICHLOROETHENE							5 UG/L		U				5 UG/L		U
1,2-DICHLOROETHANE							5 UG/L		UJ				5 UG/L		UJ
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		U				5 UG/L		U
1,2-DICHLOROPROPANE							5 UG/L		U				5 UG/L		U
2-BUTANONE							10 UG/L		R				10 UG/L		R
2-HEXANONE							10 UG/L		U				10 UG/L		U
4-METHYL-2-PENTANONE							10 UG/L		U				10 UG/L		U
ACETONE							6 UG/L		U				2 UG/L		U
BENZENE							5 UG/L		UJ				5 UG/L		UJ
BROMODICHLOROMETHANE							5 UG/L		U				5 UG/L		U
BROMOFORM							5 UG/L		U				5 UG/L		U
BROMOMETHANE							10 UG/L		U				10 UG/L		U
CARBON DISULFIDE							5 UG/L		UJ				5 UG/L		UJ
CARBON TETRACHLORIDE							5 UG/L		U				5 UG/L		U
CHLOROBENZENE							5 UG/L		UJ				5 UG/L		UJ
CHLOROETHANE							10 UG/L		U				10 UG/L		U
CHLOROFORM							5 UG/L		U				5 UG/L		U
CHLOROMETHANE							10 UG/L		U				10 UG/L		U
CIS-1,3-DICHLOROPROPENE							5 UG/L		U				5 UG/L		U
DIBROMOCHLOROMETHANE							5 UG/L		U				5 UG/L		U

SAMPLE NUMBER:	003835			003223			003223			003224			003224		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ETHYLBENZENE							2 UG/L		UJ				5 UG/L		UJ
METHYLENE CHLORIDE							2 UG/L		U				2 UG/L		U
STYRENE							5 UG/L		UJ				5 UG/L		UJ
TETRACHLOROETHENE							5 UG/L		U				5 UG/L		U
TOLUENE							5 UG/L		UJ				5 UG/L		UJ
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U				5 UG/L		U
TRICHLOROETHENE							5 UG/L		U				5 UG/L		U
VINYL ACETATE							10 UG/L		UJ				10 UG/L		UJ
VINYL CHLORIDE							10 UG/L		U				10 UG/L		U
XYLENES, TOTAL							3 UG/L		UJ				5 UG/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003367			003367			003646			003646			003770		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2034			2034			2034			2034			2036		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	24-JUL-88			24-JUL-88			24-OCT-88			24-OCT-88			07-DEC-88		
NORTH COORDINATE:	480240.05			480240.05			480240.05			480240.05			474575.07		
EAST COORDINATE:	1378419.45			1378419.45			1378419.45			1378419.45			1373903.36		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.02 MG/L		U				.1 MG/L		U			
CHLORIDE				51 MG/L		-				30 MG/L		-			
FLUORIDE				.26 MG/L		-				.32 MG/L		-			
NITRATE				2.02 MG/L		J				11.8 MG/L		J			
PHENOLS				.002 MG/L		U				.01 MG/L		UJ			
PHOSPHORUS				.1 MG/L		-				.044 MG/L		-			
SULFATE				62 MG/L		-				39 MG/L		J			
TOTAL KJELDAHL NITROGEN										.25 MG/L		-			
TOTAL ORGANIC HALIDES										.05 MG/L		U			
TOTAL ORGANIC NITROGEN				.05 MG/L		R				.25 MG/L		-			
INORGANICS															
ARSENIC	.01 MG/L		U				.002 MG/L		U				.002 MG/L		U
BARIUM	.5 MG/L		U				.041 MG/L		-				.037 MG/L		-
CADMIUM	.005 MG/L		U				.002 MG/L		-				.002 MG/L		U
CALCIUM	99 MG/L		-				87.7 MG/L		-				92.8 MG/L		-
CHROMIUM	.01 MG/L		U				.02 MG/L		U				.02 MG/L		U
COPPER	.01 MG/L		U				.01 MG/L		U				.033 MG/L		-
IRON	.1 MG/L		U				.261 MG/L		-				.009 MG/L		-
LEAD	.005 MG/L		U				.024 MG/L		J				.002 MG/L		UJ
MAGNESIUM	25 MG/L		-				22.2 MG/L		-				24.7 MG/L		-
MANGANESE	.01 MG/L		U				.026 MG/L		-				.001 MG/L		U
MERCURY	.0002 MG/L		U				.0002 MG/L		UJ				.0002 MG/L		U
MOLYBDENUM	.05 MG/L		U				.02 MG/L		U				.02 MG/L		U
NICKEL	.03 MG/L		U				.02 MG/L		U				.02 MG/L		U
POTASSIUM	2.5 MG/L		-				2.58 MG/L		-				1.27 MG/L		-

SAMPLE NUMBER:	003367			003367			003646			003646			003770		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.005 MG/L		UJ				.002 MG/L		UJ				.002 MG/L		UJ
SILVER	.01 MG/L		U				.0005 MG/L		U				.0005 MG/L		UJ
SODIUM	18 MG/L		-				12.6 MG/L		-				3.28 MG/L		-
RADIONUCLIDES															
URANIUM-238				9.3 PCI/L	1.3	J				8.3 PCI/L	1.2	J			
URANIUM, TOTAL				24 UG/L	4	-				24 UG/L	5	-			
URANIUM-234				9.1 PCI/L	1.3	J				8 PCI/L	1.2	J			
THORIUM-230				1 PCI/L		UJ				1 PCI/L		UJ			
RADIUM-226				1 PCI/L		U				1 PCI/L		U			
URANIUM-235/236				1.1 PCI/L	.3	J				1 PCI/L		UJ			
THORIUM-232				1 PCI/L		UJ				1 PCI/L		UJ			
THORIUM, TOTAL				3 UG/L		UJ				3 UG/L		UJ			
RADIUM-228				3 PCI/L		U				3 PCI/L		U			
THORIUM-228				1 PCI/L		UJ				1 PCI/L		UJ			
NEPTUNIUM-237				1 PCI/L		UJ				1 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		UJ				1 PCI/L		UJ			
PLUTONIUM-238				1 PCI/L		UJ				1 PCI/L		UJ			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003770	003184	003184	003185	003185
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2036	2036	2036	2036	2036
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-DEC-88	12-MAY-88	12-MAY-88	12-MAY-88	12-MAY-88
NORTH COORDINATE:	474575.07	474575.07	474575.07	474575.07	474575.07
EAST COORDINATE:	1373903.36	1373903.36	1373903.36	1373903.36	1373903.36
QA TYPE:	NORMAL	NORMAL	NORMAL	DUPLICATE	DUPLICATE
QC OF:				003184	003184
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UJ				.1 MG/L		UJ				.1 MG/L		UJ
CHLORIDE	2 MG/L		-				12.3 MG/L		J				11.5 MG/L		J
FLUORIDE	.15 MG/L		-				.27 MG/L		-				.28 MG/L		-
NITRATE	2.88 MG/L		J				11.2 MG/L		J				9 MG/L		J
PHENOLS	.01 MG/L		U				.03 MG/L		J				.01 MG/L		J
PHOSPHORUS	.036 MG/L		-				.052 MG/L		-				.05 MG/L		-
SULFATE	39.9 MG/L		-				7 MG/L		-				35 MG/L		-
TOTAL KJELDAHL NITROGEN	.21 MG/L		J												
TOTAL ORGANIC HALIDES	.05 MG/L		U												
TOTAL ORGANIC NITROGEN	.21 MG/L		-				.1 MG/L		UJ				.1 MG/L		UJ
INORGANICS															
ARSENIC				.2 MG/L		U				.3 MG/L		-			
BARIUM				.05 MG/L		U				.05 MG/L		U			
CADMIUM				.005 MG/L		U				.005 MG/L		U			
CALCIUM				94 MG/L		-				92.3 MG/L		-			
CHROMIUM				.02 MG/L		U				.02 MG/L		U			
COPPER				.01 MG/L		U				.01 MG/L		U			
IRON				.05 MG/L		U				.05 MG/L		U			
LEAD				.05 MG/L		U				.05 MG/L		U			
MAGNESIUM				25.5 MG/L		-				24.7 MG/L		-			
MANGANESE				.02 MG/L		U				.02 MG/L		U			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.02 MG/L		U				.02 MG/L		U			
NICKEL				.02 MG/L		U				.02 MG/L		U			
POTASSIUM				1.34 MG/L		-				1.28 MG/L		-			

SAMPLE NUMBER:	003770			003184			003184			003185			003185		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.2 MG/L		U				.2 MG/L		U			
SILVER				.11 MG/L		-				.02 MG/L		U			
SODIUM				3.41 MG/L		-				3.37 MG/L		-			
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL	.3 UG/L	.1	-				1 UG/L		U				1 UG/L		U
URANIUM-234	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM-230	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
RADIUM-226	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM-232	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL	3 UG/L		U												
RADIUM-228	3 PCI/L		U				3 PCI/L		UJ				3 PCI/L		UJ
THORIUM-228	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R				150 PCI/L		R
CESIUM-137	20 PCI/L		R				20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003983	003983	003564	003564	003248
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2036	2036	2036	2036	2037
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-MAR-89	14-MAR-89	23-AUG-88	23-AUG-88	01-JUN-88
NORTH COORDINATE:	474575.07	474575.07	474575.07	474575.07	482140.97
EAST COORDINATE:	1373903.36	1373903.36	1373903.36	1373903.36	1379801.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		UJ				.1 MG/L		UJ			
CHLORIDE				12 MG/L		UJ				11 MG/L		-			
FLUORIDE				.1 MG/L		J				.26 MG/L		J			
NITRATE				6.2 MG/L		J				14.4 MG/L		J			
PHENOLS				.011 MG/L		J				.01 MG/L		J			
PHOSPHORUS				.05 MG/L		J				.06 MG/L		-			
SULFATE				34 MG/L		J				25 MG/L		J			
TOTAL KJELDAHL NITROGEN				.2 MG/L		UJ									
TOTAL ORGANIC HALIDES				.05 MG/L		UJ				.05 MG/L		UJ			
TOTAL ORGANIC NITROGEN				.1 MG/L		J				.1 MG/L		J			
INORGANICS															
ALUMINUM													.0133 MG/L		J
ANTIMONY													.0467 MG/L		U
ARSENIC	.003 MG/L		UJ				.002 MG/L		U				.0022 MG/L		J
BARIUM	.036 MG/L		J				.034 MG/L		-				.0814 MG/L		J
BERYLLIUM													.0024 MG/L		U
CADMIUM	.005 MG/L		UJ				.002 MG/L		U				.0007 MG/L		U
CALCIUM	110 MG/L		J				99.4 MG/L		-				124 MG/L		J
CHROMIUM	.03 MG/L		J				.02 MG/L		U				.0017 MG/L		U
COBALT													.0052 MG/L		U
COPPER	.27 MG/L		J				.027 MG/L		-				.0067 MG/L		U
IRON	.03 MG/L		UJ				.014 MG/L		-				2.7 MG/L		-
LEAD	.003 MG/L		J				.002 MG/L		UJ				.0021 MG/L		U
MAGNESIUM	25 MG/L		J				26.2 MG/L		-				28 MG/L		-
MANGANESE	.005 MG/L		UJ				.001 MG/L		U				.287 MG/L		-

SAMPLE NUMBER:	003983			003983			003564			003564			003248		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MERCURY	.0002 MG/L		UJ				.0002 MG/L		U				.00078 MG/L		-
MOLYBDENUM	.01 MG/L		UJ				.02 MG/L		U				.0333 MG/L		U
NICKEL	.03 MG/L		UJ				.02 MG/L		U				.0123 MG/L		U
POTASSIUM	1.3 MG/L		J				1.7 MG/L		-				2.58 MG/L		J
SELENIUM	.005 MG/L		UJ				.002 MG/L		UJ				.0018 MG/L		UJ
SILVER	.01 MG/L		UJ				.01 MG/L		U				.0043 MG/L		U
SODIUM	3.1 MG/L		J				3.3 MG/L		-				14.9 MG/L		-
THALLIUM													.0041 MG/L		UJ
VANADIUM													.0034 MG/L		U
ZINC													.0996 MG/L		-
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		U			
URANIUM, TOTAL				1 UG/L		U				.3 UG/L	.1	-			
URANIUM-234				1 PCI/L		U				1 PCI/L		U			
THORIUM-230				1 PCI/L		U				1 PCI/L		U			
RADIUM-226				1 PCI/L		U				1 PCI/L		U			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL				5 UG/L		U				3 UG/L		U			
RADIUM-228				3 PCI/L		U				3 PCI/L		U			
THORIUM-228				1 PCI/L		U				1 PCI/L		U			
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003248			003249			003249			EMGW_SYSGEN_504			EMGW_SYSGEN_504		
TASK:	3.2.4			3.2.4			3.2.4			GWMON			GWMON		
LAB:	IT			IT			IT			IT			NET		
WELL OR BORING NUMBER:	2037			2037			2037			2037			2037		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	01-JUN-88			01-JUN-88			01-JUN-88			02-AUG-90			02-AUG-90		
NORTH COORDINATE:	482140.97			482140.97			482140.97			482140.97			482140.97		
EAST COORDINATE:	1379801.07			1379801.07			1379801.07			1379801.07			1379801.07		
QA TYPE:	NORMAL			DUPLICATE			DUPLICATE			NORMAL			NORMAL		
QC OF:				003248			003248								
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	3.5 NG/L		UNV				8.1 NG/L		UNV						
2,3,7,8-TETRACHLORODIBENZOFURAN	1.5 NG/L		UNV				6 NG/L		UNV						
HEPTACHLORODIBENZO-P-DIOXINS	.69 NG/L		U				1.4 NG/L		U						
HEPTACHLORODIBENZOFURANS	.59 NG/L		U				1.2 NG/L		U						
HEXACHLORODIBENZO-P-DIOXINS	.69 NG/L		U				2.4 NG/L		U						
HEXACHLORODIBENZOFURANS	.99 NG/L		U				1.7 NG/L		U						
OCTACHLORODIBENZO-P-DIOXIN	1.8 NG/L		U				3.1 NG/L		U						
OCTACHLORODIBENZOFURAN	1.6 NG/L		U				6 NG/L		U						
PENTACHLORODIBENZO-P-DIOXINS	1.3 NG/L		U				.88 NG/L		U						
PENTACHLORODIBENZOFURANS	.6 NG/L		U				1.8 NG/L		U						
TETRACHLORODIBENZO-P-DIOXINS	.61 NG/L		U				1.2 NG/L		U						
TETRACHLORODIBENZOFURANS	.48 NG/L		U				1.6 NG/L		U						
GENERAL CHEMISTRY															
AMMONIA	.41 MG/L		UJ				.41 MG/L		UJ						
CHLORIDE	25.4 MG/L		-				29.5 MG/L		-						
FLUORIDE	.51 MG/L		-				.51 MG/L		-						
NITRATE	.15 MG/L		J				.15 MG/L		J						
PHENOLS	.17 MG/L		J				.15 MG/L		J						
PHOSPHORUS	.34 MG/L		-				.32 MG/L		-						
SULFATE	157 MG/L		-				165 MG/L		-						

SAMPLE NUMBER:	003248			003249			003249			EMGW_SYSGEN_504			EMGW_SYSGEN_504		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
TOTAL KJELDAHL NITROGEN	.41 MG/L		UJ				1 MG/L		J						
TOTAL ORGANIC NITROGEN	.41 MG/L		UJ				1 MG/L		J						
INORGANICS															
ALUMINUM				.0114 MG/L		U							.5 MG/L		UNV
ANTIMONY				.0467 MG/L		U							.025 MG/L		UNV
ARSENIC				.0019 MG/L		U							.0025 MG/L		UNV
BARIUM				.0825 MG/L		J							.2 MG/L		UNV
BERYLLIUM				.0024 MG/L		U							.01 MG/L		UNV
CADMIUM				.0007 MG/L		U							.001 MG/L		UNV
CALCIUM				12 MG/L		J							58.8 MG/L		NV
CHROMIUM				.0017 MG/L		U									
COBALT				.0052 MG/L		U							.025 MG/L		UNV
COPPER				.0067 MG/L		U							.025 MG/L		UNV
CYANIDE	.02 MG/L		UNV				.01 MG/L		U						
IRON				2.63 MG/L		-							2.87 MG/L		NV
LEAD				.0021 MG/L		U							.005 MG/L		UNV
MAGNESIUM				27.7 MG/L		-							21.2 MG/L		NV
MANGANESE				.282 MG/L		-							.427 MG/L		NV
MERCURY				.00029 MG/L		U							.0002 MG/L		UNV
MOLYBDENUM				.0333 MG/L		U							.025 MG/L		UNV
NICKEL				.0123 MG/L		U							.008 MG/L		NV
POTASSIUM				2.76 MG/L		J							3.66 MG/L		NV
SELENIUM				.0018 MG/L		UJ							.0025 MG/L		UNV
SILVER				.0043 MG/L		U							.001 MG/L		UNV
SODIUM				15.1 MG/L		-							14.6 MG/L		NV
THALLIUM				.0041 MG/L		UJ							.01 MG/L		UNV
VANADIUM				.0034 MG/L		U							.05 MG/L		UNV
ZINC				.036 MG/L		-							.02 MG/L		UNV
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL	5 UG/L		U				5 UG/L		UJ						
DEMETON	1 UG/L		U				1 UG/L		UJ						
DIAZINON	.5 UG/L		U				.5 UG/L		UJ						
DISULFOTON	.5 UG/L		U				.5 UG/L		UJ						
ETHION	.5 UG/L		U				.5 UG/L		UJ						
MALATHION	1 UG/L		U				1 UG/L		UJ						
METHYL PARATHION	1 UG/L		U				1 UG/L		UJ						
PARATHION	.5 UG/L		U				.5 UG/L		UJ						

001052

PESTICIDES

4,4'-DDD .1 UG/L U .1 UG/L U

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003248			003249			003249			EMGW_SYSGEN_504			EMGW_SYSGEN_504		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDE	.1 UG/L		U				.1 UG/L		U						
4,4'-DDT	.1 UG/L		UNV				.1 UG/L		U						
ALDRIN	.05 UG/L		UNV				.05 UG/L		U						
ALPHA-BHC	.05 UG/L		U				.05 UG/L		U						
ALPHA-CHLORDANE	.5 UG/L		U				.5 UG/L		U						
AROCLOR-1016	.5 UG/L		U				.5 UG/L		U						
AROCLOR-1221	.5 UG/L		U				.5 UG/L		U						
AROCLOR-1232	.5 UG/L		U				.5 UG/L		U						
AROCLOR-1242	.5 UG/L		U				.5 UG/L		U						
AROCLOR-1248	.5 UG/L		U				.5 UG/L		U						
AROCLOR-1254	1 UG/L		U				1 UG/L		U						
AROCLOR-1260	1 UG/L		U				1 UG/L		U						
BETA-BHC	.05 UG/L		U				.05 UG/L		U						
DELTA-BHC	.05 UG/L		U				.05 UG/L		U						
DIELDRIN	.05 UG/L		UNV				.05 UG/L		U						
ENDOSULFAN II	.1 UG/L		U				.1 UG/L		U						
ENDOSULFAN SULFATE	.1 UG/L		U				.1 UG/L		U						
ENDOSULFAN-I	.05 UG/L		U				.05 UG/L		U						
ENDRIN	.05 UG/L		UNV				.05 UG/L		U						
ENDRIN KETONE	.1 UG/L		U				.1 UG/L		U						
GAMMA-BHC (LINDANE)	.05 UG/L		UNV				.05 UG/L		U						
GAMMA-CHLORDANE	.5 UG/L		U				.5 UG/L		U						
HEPTACHLOR	.05 UG/L		UNV				.05 UG/L		U						
HEPTACHLOR EPOXIDE	.05 UG/L		U				.05 UG/L		U						
METHOXYCHLOR	.5 UG/L		U				.5 UG/L		U						
TOXAPHENE	1 UG/L		U				1 UG/L		U						
RADIONUCLIDES															
URANIUM-238	2 PCI/L	.4	-				2.2 PCI/L	.4	-	1.85 PCI/L		NV			
URANIUM, TOTAL	4 UG/L	1	J				4 UG/L	1	J	7.3 UG/L		NV			
URANIUM-234	1.7 PCI/L	.4	-				1.4 PCI/L	.3	-	2.08 PCI/L		NV			
THORIUM-230	1 PCI/L		U				2.8 PCI/L	.8	-	.72 PCI/L		UNV			
RADIUM-226	1 PCI/L		U				1 PCI/L		U	1 PCI/L		UNV			
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U	.24 PCI/L		UNV			
THORIUM-232	1 PCI/L		U				1 PCI/L		U	.72 PCI/L		UNV			
THORIUM, TOTAL										6.5 UG/L		UNV			
RADIUM-228	3 PCI/L		U				3 PCI/L		U	3 PCI/L		UNV			

SAMPLE NUMBER:	003248			003249			003249			EMGW_SYSGEN_504			EMGW_SYSGEN_504		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-228	1 PCI/L		U				1.3 PCI/L	.5	-	.72 PCI/L		UNV			
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U						
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U						
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R						
CESIUM-137	20 PCI/L		R				20 PCI/L		R						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U				10 UG/L		U						
1,2-DICHLOROBENZENE	10 UG/L		U				10 UG/L		U						
1,3-DICHLOROBENZENE	10 UG/L		U				10 UG/L		U						
1,4-DICHLOROBENZENE	10 UG/L		U				10 UG/L		U						
2,4,5-TRICHLOROPHENOL	50 UG/L		U				50 UG/L		U						
2,4,6-TRICHLOROPHENOL	10 UG/L		U				10 UG/L		U						
2,4-DICHLOROPHENOL	10 UG/L		U				10 UG/L		U						
2,4-DIMETHYLPHENOL	10 UG/L		U				10 UG/L		U						
2,4-DINITROPHENOL	50 UG/L		U				50 UG/L		U						
2,4-DINITROTOLUENE	10 UG/L		U				10 UG/L		U						
2,6-DINITROTOLUENE	10 UG/L		U				10 UG/L		U						
2-CHLORONAPHTHALENE	10 UG/L		U				10 UG/L		U						
2-CHLOROPHENOL	10 UG/L		U				10 UG/L		U						
2-METHYLNAPHTHALENE	10 UG/L		U				10 UG/L		U						
2-METHYLPHENOL	10 UG/L		U				10 UG/L		U						
2-NITROANILINE	50 UG/L		U				50 UG/L		U						
2-NITROPHENOL	10 UG/L		U				10 UG/L		U						
3,3'-DICHLOROBENZIDINE	20 UG/L		U				20 UG/L		U						
3-NITROANILINE	50 UG/L		U				50 UG/L		U						
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		U				50 UG/L		U						
4-BROMOPHENYL PHENYL ETHER	10 UG/L		UJ				10 UG/L		UJ						
4-CHLORO-3-METHYLPHENOL	10 UG/L		U				10 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U				10 UG/L		U						
4-METHYLPHENOL	10 UG/L		U				10 UG/L		U						
4-NITROANILINE	50 UG/L		U				50 UG/L		U						
4-NITROPHENOL	50 UG/L		U				50 UG/L		U						
ACENAPHTHENE	10 UG/L		U				10 UG/L		U						
ACENAPHTHYLENE	10 UG/L		U				10 UG/L		U						
ANTHRACENE	10 UG/L		U				10 UG/L		U						
BENZO(A)ANTHRACENE	10 UG/L		U				10 UG/L		U						
BENZO(A)PYRENE	10 UG/L		U				10 UG/L		U						

SAMPLE NUMBER:	003248			003249			003249			EMGW_SYSGEN_504			EMGW_SYSGEN_504		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(B)FLUORANTHENE	10 UG/L		U				10 UG/L		U						
BENZO(G,H,I)PERYLENE	10 UG/L		UJ				10 UG/L		UJ						
BENZO(K)FLUORANTHENE	10 UG/L		U				10 UG/L		U						
BENZOIC ACID	50 UG/L		U				50 UG/L		U						
BENZYL ALCOHOL	10 UG/L		U				10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U				10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U				10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U				10 UG/L		U						
BIS(2-ETHYLHEXYL)PHTHALATE	7 UG/L		J				10 UG/L		UJ						
BUTYL BENZYL PHTHALATE	10 UG/L		U				10 UG/L		U						
CHRYSENE	10 UG/L		U				10 UG/L		U						
DI-N-BUTYL PHTHALATE	6 UG/L		U				5 UG/L		U						
DI-N-OCTYL PHTHALATE	10 UG/L		U				10 UG/L		U						
DIBENZO(A,H)ANTHRACENE	10 UG/L		U				10 UG/L		U						
DIBENZOFURAN	10 UG/L		U				10 UG/L		U						
DIETHYL PHTHALATE	10 UG/L		U				10 UG/L		U						
DIMETHYL PHTHALATE	10 UG/L		U				10 UG/L		U						
FLUORANTHENE	10 UG/L		U				10 UG/L		U						
FLUORENE	10 UG/L		U				10 UG/L		U						
HEXACHLOROBENZENE	10 UG/L		UJ				10 UG/L		UJ						
HEXACHLOROBUTADIENE	10 UG/L		U				10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U				10 UG/L		U						
HEXACHLOROETHANE	10 UG/L		U				10 UG/L		U						
INDENO(1,2,3-CD)PYRENE	10 UG/L		U				10 UG/L		U						
ISOPHORONE	10 UG/L		U				10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U				10 UG/L		U						
N-NITROSODIPHENYLAMINE	50 UG/L		U				50 UG/L		U						
NAPHTHALENE	10 UG/L		U				10 UG/L		U						
NITROBENZENE	10 UG/L		U				10 UG/L		U						
P-CHLOROANILINE	10 UG/L		U				10 UG/L		U						
PENTACHLOROPHENOL	50 UG/L		UJ				50 UG/L		UJ						
PHENANTHRENE	10 UG/L		U				10 UG/L		U						
PHENOL	10 UG/L		U				10 UG/L		U						
PYRENE	10 UG/L		U				10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,1,2-TRICHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,1-DICHLOROETHANE	5 UG/L		U				5 UG/L		U						

SAMPLE NUMBER:	003248			003249			003249			EMGW_SYSGEN_504			EMGW_SYSGEN_504		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHENE	5 UG/L		UNV				5 UG/L		U						
1,2-DICHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U				5 UG/L		U						
1,2-DICHLOROPROPANE	5 UG/L		U				5 UG/L		U						
2-BUTANONE	10 UG/L		R				10 UG/L		R						
2-HEXANONE	10 UG/L		U				10 UG/L		U						
4-METHYL-2-PENTANONE	10 UG/L		U				10 UG/L		U						
ACETONE	10 UG/L		U				10 UG/L		U						
BENZENE	1 UG/L		NV				5 UG/L		UJ						
BROMODICHLOROMETHANE	5 UG/L		U				5 UG/L		U						
BROMOFORM	5 UG/L		U				5 UG/L		U						
BROMOMETHANE	10 UG/L		U				10 UG/L		U						
CARBON DISULFIDE	5 UG/L		U				5 UG/L		U						
CARBON TETRACHLORIDE	5 UG/L		U				5 UG/L		U						
CHLOROBENZENE	5 UG/L		UNV				5 UG/L		UJ						
CHLOROETHANE	10 UG/L		U				10 UG/L		U						
CHLOROFORM	5 UG/L		U				5 UG/L		U						
CHLOROMETHANE	10 UG/L		U				10 UG/L		U						
CIS-1,3-DICHLOROPROPENE	5 UG/L		U				5 UG/L		U						
DIBROMOCHLOROMETHANE	5 UG/L		U				5 UG/L		U						
ETHYLBENZENE	5 UG/L		UJ				5 UG/L		UJ						
METHYLENE CHLORIDE	5 UG/L		U				1 UG/L		U						
STYRENE	5 UG/L		UJ				5 UG/L		UJ						
TETRACHLOROETHENE	5 UG/L		U				5 UG/L		U						
TOLUENE	5 UG/L		UNV				5 UG/L		UJ						
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U				5 UG/L		U						
TRICHLOROETHENE	5 UG/L		UNV				5 UG/L		U						
VINYL ACETATE	10 UG/L		UJ				10 UG/L		UJ						
VINYL CHLORIDE	10 UG/L		U				10 UG/L		U						
XYLENES, TOTAL	5 UG/L		UJ				5 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_504			EMGW_SYSGEN_509			EMGW_SYSGEN_509			EMGW_SYSGEN_509			EMGW_SYSGEN_507		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			NET			NET			WMCO			IT		
WELL OR BORING NUMBER:	2037			2037			2037			2037			2037		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-AUG-90			03-JUL-91			03-JUL-91			03-JUL-91			04-FEB-91		
NORTH COORDINATE:	482140.97			482140.97			482140.97			482140.97			482140.97		
EAST COORDINATE:	1379801.07			1379801.07			1379801.07			1379801.07			1379801.07		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							310 MG/L		NV						
AMMONIA							.06 MG/L		NV						
CHLORIDE	27 MG/L		NV				25 MG/L		NV						
FLUORIDE	.22 MG/L		NV				.22 MG/L		NV						
NITRATE, AS NITROGEN	.02 MG/L		NV				.02 MG/L		UNV						
PH	.005 MG/L		UNV				7.06 SU		NV						
PHENOLS	.005 MG/L		UNV				.005 MG/L		UNV						
PHOSPHORUS							.23 MG/L		NV						
SPECIFIC CONDUCTIVITY							822 UMHOS/CM		NV						
SULFATE	146 MG/L		NV				145 MG/L		NV						
TOTAL DISSOLVED SOLIDS							482 MG/L		NV						
TOTAL ORGANIC CARBON	1 MG/L		NV				19 MG/L		NV						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.01 MG/L		UNV						
INORGANICS															
ALUMINUM	4.79 MG/L		NV	.2 MG/L		UNV	.6 MG/L		NV						
ANTIMONY	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV						
ARSENIC	.007 MG/L		NV	.005 MG/L		UNV	.005 MG/L		UNV						
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV						
BERYLLIUM	.01 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV						
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV						
CALCIUM	99.4 MG/L		NV	116 MG/L		NV	150 MG/L		NV						
CHROMIUM	.005 MG/L		UNV				.002 MG/L		UNV						
COBALT	.049 MG/L		NV	.005 MG/L		UNV	.005 MG/L		UNV						
COPPER	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV						
CYANIDE							.005 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_504			EMGW_SYSGEN_509			EMGW_SYSGEN_509			EMGW_SYSGEN_509			EMGW_SYSGEN_507		
LAB:	NET			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	15.4 MG/L		NV	2.02 MG/L		NV	5.32 MG/L		NV						
LEAD	.018 MG/L		NV	.005 MG/L		UNV	.005 MG/L		UNV						
MAGNESIUM	39.6 MG/L		NV	26 MG/L		NV	32 MG/L		NV						
MANGANESE	.685 MG/L		NV	.469 MG/L		NV	.666 MG/L		NV						
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM	.025 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV						
NICKEL	.057 MG/L		NV	.01 MG/L		UNV	.01 MG/L		UNV						
POTASSIUM	4.92 MG/L		NV	3 MG/L		NV	3.5 MG/L		NV						
SELENIUM	.0025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV						
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM	17.6 MG/L		NV	17 MG/L		NV	18 MG/L		NV						
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV						
ZINC	.054 MG/L		NV	.041 MG/L		NV	.028 MG/L		NV						
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238													2.37 PCI/L		NV
URANIUM, TOTAL										10 UG/L		NV	8.84 UG/L		NV
URANIUM-234													3.28 PCI/L		NV
THORIUM-230													.456 PCI/L		NV
RADIUM-226													1 PCI/L		UNV
URANIUM-235/236													.25 PCI/L		NV
THORIUM-232													.34 PCI/L		UNV
THORIUM, TOTAL													3.1 UG/L		UNV
RADIUM-228													3 PCI/L		UNV
THORIUM-228													.785 PCI/L		NV
NEPTUNIUM-237													.5 PCI/L		UNV
PLUTONIUM-239/240													.5 PCI/L		UNV
PLUTONIUM-238													.5 PCI/L		UNV
TECHNETIUM-99													15 PCI/L		UNV
RUTHENIUM-106													150 PCI/L		UNV
CESIUM-137													11 PCI/L		UNV
GROSS ALPHA													11 PCI/L		UNV
GROSS BETA													17.2 PCI/L		NV
SEMIVOLATILES															

SAMPLE NUMBER:	EMGW_SYSGEN_504			EMGW_SYSGEN_509			EMGW_SYSGEN_509			EMGW_SYSGEN_509			EMGW_SYSGEN_507		
LAB:	NET			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV						
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV						
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV						
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV						
ACETONE	2 UG/L		UNV				2 UG/L		UNV						
BENZENE	1 UG/L		UNV				1 UG/L		UNV						
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV						
BROMOMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV						
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV						
CHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV						
METHYLENE CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
STYRENE	1 UG/L		UNV				1 UG/L		UNV						
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TOLUENE	1 UG/L		UNV				1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
VINYL ACETATE	2 UG/L		UNV				2 UG/L		UNV						
VINYL CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_507	EMGW_SYSGEN_507	EMGW_SYSGEN_503	EMGW_SYSGEN_503	EMGW_SYSGEN_503
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	NET	IT	NET	NET
WELL OR BORING NUMBER:	2037	2037	2037	2037	2037
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-FEB-91	04-FEB-91	07-MAY-90	07-MAY-90	07-MAY-90
NORTH COORDINATE:	482140.97	482140.97	482140.97	482140.97	482140.97
EAST COORDINATE:	1379801.07	1379801.07	1379801.07	1379801.07	1379801.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				312 MG/L		NV									
AMMONIA				.06 MG/L		NV									
CHLORIDE				25 MG/L		NV							27 MG/L		NV
FLUORIDE				.21 MG/L		NV							.35 MG/L		NV
NITRATE, AS NITROGEN				.04 MG/L		NV							.02 MG/L		UNV
PH				7.05 SU		NV							.005 MG/L		UNV
PHENOLS				.005 MG/L		UNV							.005 MG/L		UNV
PHOSPHORUS				.35 MG/L		NV									
SPECIFIC CONDUCTIVITY				811 UMHOS/CM		NV									
SULFATE				153 MG/L		NV							128 MG/L		NV
TOTAL DISSOLVED SOLIDS				540 MG/L		NV									
TOTAL ORGANIC CARBON				6 MG/L		NV							3 MG/L		NV
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV							.01 MG/L		UNV
INORGANICS															
ALUMINUM	.5 MG/L		UNV	.93 MG/L		NV				.05 MG/L		UNV	4.21 MG/L		NV
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC	.0025 MG/L		UNV	.003 MG/L		NV				.0025 MG/L		UNV	.011 MG/L		NV
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV				.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	91.8 MG/L		NV	130 MG/L		NV				118 MG/L		NV	145 MG/L		NV
CHROMIUM				.005 MG/L		UNV							.005 MG/L		UNV
COBALT	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
COPPER	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
CYANIDE				.005 MG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_507			EMGW_SYSGEN_507			EMGW_SYSGEN_503			EMGW_SYSGEN_503			EMGW_SYSGEN_503		
LAB:	NET			NET			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	3.03 MG/L		NV	8.18 MG/L		NV				.617 MG/L		NV	4.2 MG/L		NV
LEAD	.005 MG/L		UNV	.042 MG/L		NV				.005 MG/L		UNV	.029 MG/L		NV
MAGNESIUM	21.2 MG/L		NV	31.3 MG/L		NV				20.6 MG/L		NV	52 MG/L		NV
MANGANESE	.475 MG/L		NV	.516 MG/L		NV				.377 MG/L		NV	.814 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
NICKEL	.005 MG/L		UNV	.024 MG/L		NV				.005 MG/L		UNV	.044 MG/L		NV
POTASSIUM	2.84 MG/L		NV	3.2 MG/L		NV				3.17 MG/L		NV	3.71 MG/L		NV
SELENIUM	.0025 MG/L		UNV	.0025 MG/L		UNV				.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	15.6 MG/L		NV	19 MG/L		NV				15.8 MG/L		NV	16 MG/L		NV
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.02 MG/L		UNV	.041 MG/L		NV				.02 MG/L		UNV	.043 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238							2.05 PCI/L		NV						
URANIUM, TOTAL							8.4 UG/L		NV						
URANIUM-234							2.29 PCI/L		NV						
THORIUM-230							.51 PCI/L		UNV						
RADIUM-226							1.38 PCI/L		NV						
URANIUM-235/236							.3 PCI/L		UNV						
THORIUM-232							.51 PCI/L		UNV						
THORIUM, TOTAL							4.6 UG/L		UNV						
RADIUM-228							41 PCI/L		UNV						
THORIUM-228							1.19 PCI/L		NV						
NEPTUNIUM-237							.5 PCI/L		UNV						
PLUTONIUM-239/240							.5 PCI/L		UNV						
PLUTONIUM-238							.5 PCI/L		UNV						
STRONTIUM-90							1 PCI/L		UNV						
TECHNETIUM-99							25 PCI/L		NV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							8 PCI/L		UNV						
GROSS ALPHA							.0174 PCI/L	.0123	NV						
GROSS BETA							.025 PCI/L		UNV						

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_507			EMGW_SYSGEN_507			EMGW_SYSGEN_503			EMGW_SYSGEN_503			EMGW_SYSGEN_503		
LAB:	NET			NET			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1,2-TRICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROPROPANE				1 UG/L		UNV							1 UG/L		UNV
2-BUTANONE				2 UG/L		UNV							1 UG/L		UNV
2-HEXANONE				2 UG/L		UNV							1 UG/L		UNV
4-METHYL-2-PENTANONE				2 UG/L		UNV							1 UG/L		UNV
ACETONE				2 UG/L		UNV							1 UG/L		UNV
BENZENE				1 UG/L		UNV							1 UG/L		UNV
BROMODICHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
BROMOFORM				1 UG/L		UNV							1 UG/L		UNV
BROMOMETHANE				1 UG/L		UNV							1 UG/L		UNV
CARBON DISULFIDE				1 UG/L		UNV							1 UG/L		UNV
CARBON TETRACHLORIDE				1 UG/L		UNV							1 UG/L		UNV
CHLOROBENZENE				1 UG/L		UNV							1 UG/L		UNV
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV							1 UG/L		UNV
CHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV							1 UG/L		UNV
DIBROMOCHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
ETHYLBENZENE				1 UG/L		UNV							1 UG/L		UNV
METHYLENE CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
STYRENE				1 UG/L		UNV							1 UG/L		UNV
TETRACHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
TOLUENE				1 UG/L		UNV							1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV							1 UG/L		UNV
TRICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
VINYL ACETATE				2 UG/L		UNV							1 UG/L		UNV
VINYL CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
XYLENES, TOTAL				1 UG/L		UNV							1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_503D	003448	003448	EMGW_SYSGEN_510	EMGW_SYSGEN_510
TASK:	GWMON	3.2.4	3.2.4	GWMON	GWMON
LAB:	IT	IT	IT	NET	NET
WELL OR BORING NUMBER:	2037	2037	2037	2037	2037
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-MAY-90	08-AUG-88	08-AUG-88	08-OCT-91	08-OCT-91
NORTH COORDINATE:	482140.97	482140.97	482140.97	482140.97	482140.97
EAST COORDINATE:	1379801.07	1379801.07	1379801.07	1379801.07	1379801.07
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	EMGW_SYSGEN_503				
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													255 MG/L		NV
AMMONIA							.1 MG/L		U				.11 MG/L		NV
CHLORIDE							27 MG/L		NV				30 MG/L		NV
FLUORIDE							.2 MG/L		NV				.23 MG/L		NV
NITRATE							2.5 MG/L		UJ				.02 MG/L		UNV
NITRATE, AS NITROGEN													.02 MG/L		UNV
PH							.01 MG/L		U				7 SU		NV
PHENOLS							.01 MG/L		U				.005 MG/L		UNV
PHOSPHATE							1 MG/L		-						
PHOSPHORUS													.42 MG/L		NV
SPECIFIC CONDUCTIVITY													810 UMHOS/CM		NV
SULFATE							130 MG/L		NV				146 MG/L		NV
TOTAL DISSOLVED SOLIDS													478 MG/L		NV
TOTAL ORGANIC CARBON													8 MG/L		NV
TOTAL ORGANIC HALIDES							.05 MG/L		R						
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
INORGANICS															
ALUMINUM										.2 MG/L		UNV	.36 MG/L		NV
ANTIMONY										.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC				.01 MG/L		R				.005 MG/L		UNV	.005 MG/L		UNV
BARIUM				.2 MG/L		R				.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM										.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM				.005 MG/L		R				.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM				120 MG/L		R				130 MG/L		NV	130 MG/L		NV

SAMPLE NUMBER:	EMGW_SYSGEN_503D			003448			003448			EMGW_SYSGEN_510			EMGW_SYSGEN_510		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM				.01 MG/L		R							.002 MG/L		UNV
COBALT										.005 MG/L		UNV	.005 MG/L		UNV
COPPER				.03 MG/L		R				.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE													.005 MG/L		UNV
IRON				3.1 MG/L		R				2.1 MG/L		NV	3.4 MG/L		NV
LEAD				.005 MG/L		R				.003 MG/L		UNV	.003 MG/L		UNV
MAGNESIUM				29 MG/L		R				23 MG/L		NV	27 MG/L		NV
MANGANESE				.22 MG/L		R				.609 MG/L		NV	.598 MG/L		NV
MERCURY				.0002 MG/L		R				.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM				.05 MG/L		R				.01 MG/L		UNV	.01 MG/L		UNV
NICKEL				.04 MG/L		R				.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM				5 MG/L		R				2.7 MG/L		NV	2.7 MG/L		NV
SELENIUM				.005 MG/L		R				.005 MG/L		UNV	.005 MG/L		UNV
SILVER				.01 MG/L		R				.001 MG/L		UNV	.001 MG/L		UNV
SODIUM				14 MG/L		R				13 MG/L		NV	13 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM										.05 MG/L		UNV	.05 MG/L		UNV
ZINC										.031 MG/L		NV	.031 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U						
URANIUM, TOTAL							2 UG/L	1	-						
URANIUM-234							1 PCI/L		U						
THORIUM-230							1 PCI/L		U						
RADIUM-226							1 PCI/L		R						
URANIUM-235/236							1 PCI/L		U						
THORIUM-232							1 PCI/L		U						
THORIUM, TOTAL							2 UG/L		U						
RADIUM-228							3 PCI/L		U						
THORIUM-228							1 PCI/L		U						
NEPTUNIUM-237							1 PCI/L		UJ						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						

SAMPLE NUMBER:	EMGW_SYSGEN_503D			003448			003448			EMGW_SYSGEN_510			EMGW_SYSGEN_510		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
GROSS ALPHA	.00658 PCI/L	.0123	NV												
GROSS BETA	.024 PCI/L		UNV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_503D	003448	003448	EMGW_SYSGEN_510	EMGW_SYSGEN_510
LAB:	IT	IT	IT	NET	NET
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_510	EMGW_SYSGEN_505	EMGW_SYSGEN_505	EMGW_SYSGEN_505	EMGW_SYSGEN_502
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	WMCO	IT	NET	NET	IT
WELL OR BORING NUMBER:	2037	2037	2037	2037	2037
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-OCT-91	11-NOV-90	11-NOV-90	11-NOV-90	14-FEB-90
NORTH COORDINATE:	482140.97	482140.97	482140.97	482140.97	482140.97
EAST COORDINATE:	1379801.07	1379801.07	1379801.07	1379801.07	1379801.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										265 MG/L		NV			
AMMONIA										.11 MG/L		NV			
CHLORIDE										24 MG/L		NV			
FLUORIDE										.22 MG/L		NV			
NITRATE/NITRITE										.02 MG/L		UNV			
PH										6.65 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										.15 MG/L		NV			
SPECIFIC CONDUCTIVITY										764 UMHOS/CM		NV			
SULFATE										125 MG/L		NV			
TOTAL DISSOLVED SOLIDS										638 MG/L		NV			
TOTAL ORGANIC CARBON										6 MG/L		NV			
TOTAL ORGANIC HALOGENS										.02 MG/L		NV			
INORGANICS															
ALUMINUM							.5 MG/L		UNV	1.69 MG/L		NV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.0025 MG/L		UNV	.005 MG/L		NV			
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM							45.4 MG/L		NV	86.3 MG/L		NV			
CHROMIUM										.04 MG/L		NV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.027 MG/L		NV			
CYANIDE										.005 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_510			EMGW_SYSGEN_505			EMGW_SYSGEN_505			EMGW_SYSGEN_505			EMGW_SYSGEN_502		
LAB:	WMCO			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON							1.89 MG/L		NV	10.1 MG/L		NV			
LEAD							.005 MG/L		UNV	.042 MG/L		NV			
MAGNESIUM							11.1 MG/L		NV	29.2 MG/L		NV			
MANGANESE							.525 MG/L		NV	.707 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV			
NICKEL							.005 MG/L		UNV	.03 MG/L		NV			
POTASSIUM							2.8 MG/L		NV	3.2 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							5.1 MG/L		NV	14.1 MG/L		NV			
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.02 MG/L		UNV	.063 MG/L		NV			
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				3.44 PCI/L		NV							.934 PCI/L		NV
URANIUM, TOTAL	13 UG/L		NV	6.59 UG/L		NV							6.28 UG/L		NV
URANIUM-234				4.84 PCI/L		NV							1.37 PCI/L		NV
THORIUM-230				.26 PCI/L		UNV							.513 PCI/L		UNV
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.747 PCI/L		NV							.266 PCI/L		UNV
THORIUM-232				.26 PCI/L		UNV									
THORIUM, TOTAL				2.4 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				.26 PCI/L		UNV									
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
TECHNETIUM-99				22 PCI/L		UNV							30 PCI/L		UNV
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				7.6 PCI/L		UNV									
GROSS ALPHA				11.7 PCI/L		NV									
GROSS BETA				7.74 PCI/L		NV									
SEMIVOLATILES															

												10 UG/L		UNV				
SAMPLE NUMBER:	EMGW_SYSGEN_510			EMGW_SYSGEN_505			EMGW_SYSGEN_505			EMGW_SYSGEN_505			EMGW_SYSGEN_502		
LAB:	WMCO			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_502	EMGW_SYSGEN_502	EMGW_SYSGEN_506	003718	003718
TASK:	GWMON	GWMON	GWMON	3.2.4	3.2.4
LAB:	NET	NET	NET	IT	IT
WELL OR BORING NUMBER:	2037	2037	2037	2037	2037
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-FEB-90	14-FEB-90	15-NOV-90	18-NOV-88	18-NOV-88
NORTH COORDINATE:	482140.97	482140.97	482140.97	482140.97	482140.97
EAST COORDINATE:	1379801.07	1379801.07	1379801.07	1379801.07	1379801.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													.17 MG/L		-
CHLORIDE				24 MG/L		NV							22.2 MG/L		-
FLUORIDE				.2 MG/L		NV							.26 MG/L		-
NITRATE				.02 MG/L		UNV							.1 MG/L		R
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PHENOLS				.016 MG/L		NV							.01 MG/L		U
PHOSPHORUS													.02 MG/L		U
SULFATE				128 MG/L		NV							95.2 MG/L		J
TOTAL KJELDAHL NITROGEN													.39 MG/L		-
TOTAL ORGANIC CARBON				1 MG/L		NV									
TOTAL ORGANIC HALIDES													.05 MG/L		U
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN													.22 MG/L		-
INORGANICS															
ALUMINUM	.109 MG/L		NV	.093 MG/L		NV									
ARSENIC	.0025 MG/L		UNV	.0025 MG/L		UNV				.002 MG/L		UJ			
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV				.086 MG/L		-			
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
CADMIUM										.002 MG/L		U			
CALCIUM	142 MG/L		NV	138 MG/L		NV				132 MG/L		-			
CHROMIUM				.005 MG/L		UNV				.02 MG/L		U			
COBALT	.025 MG/L		UNV	.025 MG/L		UNV									
COPPER	.025 MG/L		UNV	.025 MG/L		UNV				.01 MG/L		U			
IRON	1.96 MG/L		NV	3.18 MG/L		NV				3.19 MG/L		-			
LEAD	.005 MG/L		UNV	.005 MG/L		UNV				.003 MG/L		R			

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SAMPLE NUMBER:	EMGW_SYSGEN_502			EMGW_SYSGEN_502			EMGW_SYSGEN_506			003718			003718		
LAB:	NET			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MAGNESIUM	21.8 MG/L		NV	20 MG/L		NV				28.5 MG/L		-			
MANGANESE	.645 MG/L		NV	.432 MG/L		NV				.218 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL	.005 MG/L		UNV	.005 MG/L		UNV				.02 MG/L		U			
POTASSIUM										2.37 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILVER	.001 MG/L		UNV	.001 MG/L		UNV				.0005 MG/L		U			
SODIUM	24.7 MG/L		NV	21.1 MG/L		NV				11.6 MG/L		-			
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV									
ZINC	.02 MG/L		UNV	.023 MG/L		NV									
MISC															
3-METHYLPHENOL							4 UG/L		UNV						
PESTICIDES															
4,4'-DDD							.2 UG/L		UNV						
4,4'-DDE							.2 UG/L		UNV						
4,4'-DDT							.2 UG/L		UNV						
ALDRIN							.2 UG/L		UNV						
ALPHA-BHC							.2 UG/L		UNV						
AROCLOR-1016							.2 UG/L		UNV						
AROCLOR-1221							.2 UG/L		UNV						
AROCLOR-1232							.2 UG/L		UNV						
AROCLOR-1242							.2 UG/L		UNV						
AROCLOR-1248							.2 UG/L		UNV						
AROCLOR-1254							.2 UG/L		UNV						
AROCLOR-1260							.2 UG/L		UNV						
BETA-BHC							.2 UG/L		UNV						
CHLORDANE							.2 UG/L		UNV						
DELTA-BHC							.2 UG/L		UNV						
DIELDRIN							.2 UG/L		UNV						
ENDOSULFAN II							.2 UG/L		UNV						
ENDOSULFAN SULFATE							.2 UG/L		UNV						
ENDOSULFAN-I							.2 UG/L		UNV						
ENDRIN							.2 UG/L		UNV						
ENDRIN ALDEHYDE							.2 UG/L		UNV						
GAMMA-BHC (LINDANE)							.2 UG/L		UNV						
HEPTACHLOR							.2 UG/L		UNV						
HEPTACHLOR EPOXIDE							.2 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_502			EMGW_SYSGEN_502			EMGW_SYSGEN_506			003718			003718		
LAB:	NET			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
TOXAPHENE							.5 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238													1 PCI/L		U
URANIUM, TOTAL													1 UG/L		U
URANIUM-234													1 PCI/L		U
THORIUM-230													1 PCI/L		U
RADIUM-226													1 PCI/L		U
URANIUM-235/236													1 PCI/L		U
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													4 UG/L		U
RADIUM-228													3 PCI/L		U
THORIUM-228													1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							4 UG/L		UNV						
1,3-DICHLOROBENZENE							4 UG/L		UNV						
1,4-DICHLOROBENZENE							4 UG/L		UNV						
2,4,5-TRICHLOROPHENOL							4 UG/L		UNV						
2,4,6-TRICHLOROPHENOL							4 UG/L		UNV						
2,4-DICHLOROPHENOL							4 UG/L		UNV						
2,4-DIMETHYLPHENOL							4 UG/L		UNV						
2,4-DINITROPHENOL							4 UG/L		UNV						
2,4-DINITROTOLUENE							15 UG/L		UNV						
2,6-DINITROTOLUENE							15 UG/L		UNV						
2-CHLORONAPHTHALENE							4 UG/L		UNV						
2-CHLOROPHENOL							4 UG/L		UNV						
2-METHYLNAPHTHALENE							4 UG/L		UNV						
2-METHYLPHENOL							4 UG/L		UNV						
2-NITROANILINE							15 UG/L		UNV						
2-NITROPHENOL							4 UG/L		UNV						
3,3'-DICHLOROBENZIDINE							15 UG/L		UNV						
3-NITROANILINE							15 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_502			EMGW_SYSGEN_502			EMGW_SYSGEN_506			003718			003718		
LAB:	NET			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4,6-DINITRO-2-METHYLPHENOL							4 UG/L		UNV						
4-BROMOPHENYL PHENYL ETHER							15 UG/L		UNV						
4-CHLORO-3-METHYLPHENOL							4 UG/L		UNV						
4-CHLOROPHENYLPHENYL ETHER							15 UG/L		UNV						
4-NITROANILINE							15 UG/L		UNV						
4-NITROPHENOL							4 UG/L		UNV						
ACENAPHTHENE							4 UG/L		UNV						
ACENAPHTHYLENE							4 UG/L		UNV						
ANTHRACENE							4 UG/L		UNV						
BENZO(A)ANTHRACENE							4 UG/L		UNV						
BENZO(A)PYRENE							4 UG/L		UNV						
BENZO(B)FLUORANTHENE							4 UG/L		UNV						
BENZO(G,H,I)PERYLENE							4 UG/L		UNV						
BENZO(K)FLUORANTHENE							4 UG/L		UNV						
BENZOIC ACID							4 UG/L		UNV						
BENZYL ALCOHOL							40 UG/L		UNV						
BIS(2-CHLOROETHOXY)METHANE							15 UG/L		UNV						
BIS(2-CHLOROETHYL)ETHER							15 UG/L		UNV						
BIS(2-CHLOROISOPROPYL) ETHER							15 UG/L		UNV						
BIS(2-ETHYLHEXYL)PHTHALATE							4 UG/L		UNV						
BUTYL BENZYL PHTHALATE							4 UG/L		UNV						
CHRYSENE							4 UG/L		UNV						
DI-N-BUTYL PHTHALATE							4 UG/L		UNV						
DI-N-OCTYL PHTHALATE							4 UG/L		UNV						
DIBENZO(A,H)ANTHRACENE							4 UG/L		UNV						
DIBENZOFURAN							4 UG/L		UNV						
DIETHYL PHTHALATE							4 UG/L		UNV						
DIMETHYL PHTHALATE							4 UG/L		UNV						
FLUORANTHENE							4 UG/L		UNV						
FLUORENE							4 UG/L		UNV						
HEXACHLOROBENZENE							4 UG/L		UNV						
HEXACHLOROBUTADIENE							4 UG/L		UNV						
HEXACHLOROCYCLOPENTADIENE							4 UG/L		UNV						
HEXACHLOROETHANE							4 UG/L		UNV						
INDENO(1,2,3-CD)PYRENE							4 UG/L		UNV						
ISOPHORONE							4 UG/L		UNV						
N-NITROSO-DI-N-PROPYLAMINE							4 UG/L		UNV						
N-NITROSODIPHENYLAMINE							4 UG/L		UNV						
NAPHTHALENE							4 UG/L		UNV						
NITROBENZENE							4 UG/L		UNV						
P-CHLOROANILINE							4 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_502			EMGW_SYSGEN_502			EMGW_SYSGEN_506			003718			003718		
LAB:	NET			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PENTACHLOROPHENOL							4 UG/L		UNV						
PHENANTHRENE							4 UG/L		UNV						
PHENOL				.016 MG/L		NV	4 UG/L		UNV				.01 MG/L		U
PYRENE							4 UG/L		UNV						
VOLATILES															
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
ACETONE				2 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066710	066711	066711	111540	111540
TASK:	9.27	9.27	9.27	20.03.05	20.03.05
LAB:	IT	WMCO	WMCO	IT	IT
WELL OR BORING NUMBER:	2037	2037	2037	2037	2037
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-NOV-89	19-NOV-89	19-NOV-89	22-APR-93	22-APR-93
NORTH COORDINATE:	482140.97	482140.97	482140.97	482140.97	482140.97
EAST COORDINATE:	1379801.07	1379801.07	1379801.07	1379801.07	1379801.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	F-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													235 MG/L		J
AMMONIA													.15 MG/L		-
CHLORIDE							24 MG/L		NV				39.25 MG/L		-
FLUORIDE							.25 MG/L		NV				.2 MG/L		-
NITRATE							.05 MG/L		NV				.1 MG/L		UR
PHENOLS							.016 MG/L		NV				.01 MG/L		U
PHOSPHORUS													.02 MG/L		U
SULFATE							295 MG/L		NV				184.9 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL KJELDAHL NITROGEN													.16 MG/L		-
TOTAL ORGANIC CARBON							2 MG/L		NV				3.2 MG/L		-
TOTAL ORGANIC HALIDES							.01 MG/L		UNV				.01 MG/L		U
TOTAL ORGANIC NITROGEN													.1 MG/L		U
INORGANICS															
ALUMINUM				.05 MG/L		UNV	.072 MG/L		NV	.24 MG/L		U			
ANTIMONY										.005 MG/L		UJ			
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV	.002 MG/L		UJ			
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV	.0694 MG/L		-			
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.002 MG/L		U			
CADMIUM										.005 MG/L		U			
CALCIUM				192 MG/L		NV	189 MG/L		NV	141 MG/L		J			
CHROMIUM				.005 MG/L		UNV	.005 MG/L		UNV	.01 MG/L		U			
COBALT				.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		U			
COPPER				.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		U			
CYANIDE													.002 MG/L		U

SAMPLE NUMBER:	066710			066711			066711			111540			111540		
LAB:	IT			WMCO			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				4.62 MG/L		NV	5.05 MG/L		NV	3.09 MG/L		-			
LEAD				.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		U			
MAGNESIUM				29 MG/L		NV	30.9 MG/L		NV	29 MG/L		J			
MANGANESE				.617 MG/L		NV	.547 MG/L		NV	.32 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV	.02 MG/L		U			
POTASSIUM										3.07 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILICON										5.94 MG/L		-			
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		U			
SODIUM				10.7 MG/L		NV	19.9 MG/L		NV	15.3 MG/L		J			
THALLIUM										.002 MG/L		UJ			
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV	.01 MG/L		U			
ZINC				.032 MG/L		NV	.025 MG/L		NV	.005 MG/L		U			
PESTICIDES															
4,4'-DDD													.1 UG/L		U
4,4'-DDE													.1 UG/L		U
4,4'-DDT													.1 UG/L		UJ
ALDRIN													.05 UG/L		U
ALPHA-BHC													.05 UG/L		UJ
ALPHA-CHLORDANE													.05 UG/L		U
AROCLOR-1016													1 UG/L		U
AROCLOR-1221													2 UG/L		U
AROCLOR-1232													1 UG/L		U
AROCLOR-1242													1 UG/L		U
AROCLOR-1248													1 UG/L		U
AROCLOR-1254													1 UG/L		U
AROCLOR-1260													1 UG/L		U
BETA-BHC													.05 UG/L		U
DELTA-BHC													.05 UG/L		UJ
DIELDRIN													.1 UG/L		U
ENDOSULFAN II													.1 UG/L		U
ENDOSULFAN SULFATE													.1 UG/L		U
ENDOSULFAN-I													.05 UG/L		U
ENDRIN													.1 UG/L		U
ENDRIN ALDEHYDE													.1 UG/L		U
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.05 UG/L		UJ
GAMMA-CHLORDANE													.05 UG/L		U

SAMPLE NUMBER:	066710			066711			066711			111540			111540		
LAB:	IT			WMCO			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
HEPTACHLOR													.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
TOXAPHENE													5 UG/L		U
RADIONUCLIDES															
URANIUM-238	1.52 PCI/L	.41	-										1.92 PCI/L	.52	J
URANIUM, TOTAL	5 UG/L	1	J										4.5 UG/L	.25	-
URANIUM-234	2 PCI/L	.48	-										2.05 PCI/L	.55	J
THORIUM-230	1 PCI/L		UJ										.27 PCI/L		UJ
RADIUM-226													1 PCI/L	.19	UJ
URANIUM-235/236	1 PCI/L		U										.2 PCI/L	.09	UJ
THORIUM-232													.2 PCI/L		UJ
THORIUM, TOTAL													1.64 UG/L	1.02	UJ
RADIUM-228													3 PCI/L		UJ
THORIUM-228	1 PCI/L		U										.31 PCI/L		UJ
NEPTUNIUM-237													.05 PCI/L		R
PLUTONIUM-239/240													.5 PCI/L	.065	U
PLUTONIUM-238													.5 PCI/L		UJ
STRONTIUM-90													2.1 PCI/L	.57	J
TECHNETIUM-99	30 PCI/L		UJ										15 PCI/L		UJ
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													12.6 PCI/L		UJ
GROSS ALPHA													8.94 PCI/L		UJ
GROSS BETA													6.37 PCI/L		UJ
VOLATILES															
1,1-DICHLOROETHANE							2.5 UG/L		UNV						
1,2-DICHLOROETHANE							2.5 UG/L		UNV						
ACETONE							2.5 UG/L		UNV						
METHYLENE CHLORIDE							2.5 UG/L		UNV						
TETRACHLOROETHENE							2.5 UG/L		UNV						
TOLUENE							2.5 UG/L		UNV						
TRICHLOROETHENE							2.5 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	111540	GW930422-16	GW930422-16	GW930422-16	GW930422-16
TASK:	20.03.05	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT/MWL	CORE	FERMCO	FERMCO	LOCKHEED
WELL OR BORING NUMBER:	2037	2037	2037	2037	2037
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-APR-93	22-APR-93	22-APR-93	22-APR-93	22-APR-93
NORTH COORDINATE:	482140.97	482140.97	482140.97	482140.97	482140.97
EAST COORDINATE:	1379801.07	1379801.07	1379801.07	1379801.07	1379801.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
TOTAL DISSOLVED SOLIDS													560 MG/L		-
INORGANICS															
CYANIDE													.02 MG/L		U
RADIONUCLIDES															
URANIUM-238				1.7 PCI/L	.3	J									
URANIUM, TOTAL				6 UG/L	.4	-	4.9 UG/L		NV	5.4 UG/L		NV			
URANIUM-234				2.2 PCI/L	.3	J									
THORIUM-230				.2 PCI/L	.3	UJ									
RADIUM-226				1 PCI/L	.4	U									
URANIUM-235/236				.2 PCI/L	.2	UJ									
THORIUM-232				.3 PCI/L	.2	U									
RADIUM-228				3 PCI/L	.9	U									
THORIUM-228				.3 PCI/L	.2	UJ									
GROSS ALPHA				2.9 PCI/L	1.4	NV									
GROSS BETA				7.9 PCI/L	1.5	NV									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	25 UG/L		U												

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SAMPLE NUMBER:	111540			GW930422-16			GW930422-16			GW930422-16			GW930422-16		
LAB:	IT/MWL			CORE			FERMCO			FERMCO			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4,6-TRICHLOROPHENOL	10 UG/L		U												
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	25 UG/L		UR												
2,4-DINITROTOLUENE	10 UG/L		UJ												
2,6-DINITROTOLUENE	10 UG/L		U												
2-BENZYL-4-CHLOROPHENOL	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												
2-NITROANILINE	25 UG/L		U												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	10 UG/L		U												
3-NITROANILINE	25 UG/L		U												
4,6-DINITRO-2-METHYLPHENOL	25 UG/L		UR												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	25 UG/L		U												
4-NITROPHENOL	25 UG/L		UJ												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		U												
BENZOIC ACID	50 UG/L		UR												
BENZYL ALCOHOL	10 UG/L		UJ												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CARBAZOLE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		U												
DI-N-OCTYL PHTHALATE	10 UG/L		U												

SAMPLE NUMBER:	111540			GW930422-16			GW930422-16			GW930422-16			GW930422-16		
LAB:	IT/MWL			CORE			FERMCO			FERMCO			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		U												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		U												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UJ												
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIMETHYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		U												
PENTACHLOROPHENOL	25 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U												
PYRENE	10 UG/L		U												
TRIBUTYL PHOSPHATE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		UJ												
4-METHYL-2-PENTANONE	10 UG/L		UJ												
ACETONE	10 UG/L		U												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												

SAMPLE NUMBER:	111540			GW930422-16			GW930422-16			GW930422-16			GW930422-16		
LAB:	IT/MWL			CORE			FERMCO			FERMCO			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930422-16	003917	003917	066540	066570
TASK:	50.03.23	3.2.4	3.2.4	9.25	9.25
LAB:	LOCKHEED	IT	IT	IT	IT
WELL OR BORING NUMBER:	2037	2037	2037	2037	2037
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-APR-93	22-FEB-89	22-FEB-89	25-AUG-89	25-AUG-89
NORTH COORDINATE:	482140.97	482140.97	482140.97	482140.97	482140.97
EAST COORDINATE:	1379801.07	1379801.07	1379801.07	1379801.07	1379801.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	320 MG/L		-												
AMMONIA							.3 MG/L		J						
BICARBONATE ALKALINITY	320 MG/L		-												
CARBONATE ALKALINITY	30 MG/L		U												
CHLORIDE							24 MG/L		U	29 MG/L		J			
FLUORIDE							.2 MG/L		J	.17 MG/L		-			
NITRATE							.02 MG/L		R	.1 MG/L		U			
PH	7.8 SU		-				.012 MG/L		J						
PHENOLS							.012 MG/L		J						
PHOSPHORUS							.03 MG/L		J						
SPECIFIC CONDUCTIVITY	940 UMHOS/CM		-												
SULFATE							140 MG/L		J	474 MG/L		NV			
TOTAL KJELDAHL NITROGEN							.7 MG/L		J						
TOTAL ORGANIC CARBON										1.49 MG/L		-			
TOTAL ORGANIC HALIDES							.01 MG/L		U	.01 MG/L		U			
TOTAL ORGANIC NITROGEN							.4 MG/L		J						
TOTAL SOLIDS	570 MG/L		-												
INORGANICS															
ALUMINUM	.0496 MG/L		U										.19 MG/L		U
ANTIMONY	.027 MG/L		U										.03 MG/L		U
ARSENIC	.002 MG/L		U	.003 MG/L		UJ							.002 MG/L		U
BARIUM	.0699 MG/L		-	.089 MG/L		J							.0943 MG/L		-
BERYLLIUM	.001 MG/L		U										.0015 MG/L		U
CADMIUM	.002 MG/L		U	.005 MG/L		UJ							.0086 MG/L		U
CALCIUM	146 MG/L		-	140 MG/L		J							228 MG/L		

SAMPLE NUMBER:	GW930422-16			003917			003917			066540			066570		
LAB:	LOCKHEED			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM	.004 MG/L		U	.03 MG/L		J							.0352 MG/L		U
COBALT	.005 MG/L		U										.01 MG/L		U
COPPER	.003 MG/L		U	.01 MG/L		UJ							.0322 MG/L		U
IRON	3.21 MG/L		-	3.1 MG/L		J							5.54 MG/L		-
LEAD	.002 MG/L		U	.002 MG/L		UJ							.0051 MG/L		J
MAGNESIUM	30.2 MG/L		-	29 MG/L		J							42.2 MG/L		-
MANGANESE	.331 MG/L		-	.29 MG/L		J							.378 MG/L		-
MERCURY	.0002 MG/L		U	.0002 MG/L		UJ							.0002 MG/L		UR
MOLYBDENUM	.011 MG/L		U	.01 MG/L		J									
NICKEL	.011 MG/L		U	.03 MG/L		UJ							.0211 MG/L		U
OSMIUM													.05 MG/L		UR
POTASSIUM	3.08 MG/L		-	2.6 MG/L		J							2.84 MG/L		-
SELENIUM	.002 MG/L		UJ	.005 MG/L		UJ							.002 MG/L		UJ
SILVER	.0042 MG/L		-	.01 MG/L		UJ							.0145 MG/L		U
SODIUM	14.8 MG/L		-	13 MG/L		J							13.9 MG/L		-
THALLIUM	.003 MG/L		U										.001 MG/L		U
TIN													.03 MG/L		UR
VANADIUM	.004 MG/L		U										.0303 MG/L		U
ZINC	.0131 MG/L		U										.0561 MG/L		-
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U	1 PCI/L		U			
URANIUM, TOTAL							3 UG/L	1	J	2 UG/L	1	-			
URANIUM-234							1 PCI/L		U	1 PCI/L		U			
THORIUM-230							1 PCI/L		U	1 PCI/L		U			
RADIUM-226							1 PCI/L		UJ						
URANIUM-235/236							1 PCI/L		U	1 PCI/L		U			
THORIUM-232							1 PCI/L		U						
THORIUM, TOTAL							3 UG/L		U						
RADIUM-228							3 PCI/L		UJ						
THORIUM-228							1 PCI/L		U	1 PCI/L		U			
NEPTUNIUM-237							1 PCI/L		U						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		UJ	30 PCI/L		U			
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066570			066570			066570			GW930125-14			GW930125-14		
TASK:	9.25			9.25			9.25			RCRA			RCRA		
LAB:	IT			IT			IT			CORE			FERMCO Laboratory		
WELL OR BORING NUMBER:	2037			2037			2037			2037			2037		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-AUG-89			25-AUG-89			25-AUG-89			25-JAN-93			25-JAN-93		
NORTH COORDINATE:	482140.97			482140.97			482140.97			482140.97			482140.97		
EAST COORDINATE:	1379801.07			1379801.07			1379801.07			1379801.07			1379801.07		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			R-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,4-DIOXANE				1000 UG/L		U									
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN							.89 NG/L		U						
HEXACHLORODIBENZO-P-DIOXINS							.49 NG/L		U						
HEXACHLORODIBENZOFURANS							.38 NG/L		-						
PENTACHLORODIBENZO-P-DIOXINS							.13 NG/L		UJ						
PENTACHLORODIBENZOFURANS							.31 NG/L		-						
TETRACHLORODIBENZO-P-DIOXINS							.17 NG/L		UJ						
TETRACHLORODIBENZOFURANS							.22 NG/L		-						
GENERAL CHEMISTRY															
SULFIDE				.5 MG/L		UJ									
HERBICIDES															
2,4,5-T				5 UG/L		UR	50 UG/L		UR						
2,4,5-TP (SILVEX)				.025 UG/L		UR									
2,4-D				.05 UG/L		UR	10 UG/L		UR						
INORGANICS															
CYANIDE				.005 MG/L		U									

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MISC

1,2,3-TRICHLOROPROPANE	5 UG/L	U	
07/25/94			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066570	066570	066570	GW930125-14	GW930125-14
LAB:	IT	IT	IT	CORE	FERMCO Laboratory
SUFFIX/FILTERFLAG:	DL-UNF	NONE-UNF	R-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
1,2,4,5-TETRACHLOROBENZENE				10 UG/L		U	10 UG/L		UR						
1,2-DIBROMO-3-CHLOROPROPANE				10 UG/L		U									
1,2-DIBROMOETHANE				5 UG/L		U									
1,3,5-TRINITROBENZENE				10 UG/L		U	10 UG/L		UR						
1,3-DINITROBENZENE				10 UG/L		U	10 UG/L		UR						
1,4-NAPHTHOQUINONE				10 UG/L		U	10 UG/L		UR						
1-NAPHTHYLAMINE				120 UG/L		UJ	120 UG/L		UR						
2,3,4,6-TETRACHLOROPHENOL				10 UG/L		UR	10 UG/L		UR						
2,6-DICHLOROPHENOL				10 UG/L		UR	10 UG/L		UR						
2-ACETYLAMINOFLUORENE				10 UG/L		U	10 UG/L		UR						
2-CHLORO-1,3-BUTADIENE				5 UG/L		UNV									
2-NAPHTHYLAMINE				170 UG/L		UJ	170 UG/L		UR						
2-PICOLINE				70 UG/L		U	70 UG/L		UR						
3,3'-DIMETHYLBENZIDINE				80 UG/L		U	80 UG/L		UR						
3-CHLOROPROPENE				5 UG/L		U									
3-METHYLCHOLANTHRENE				30 UG/L		U	30 UG/L		UR						
3-METHYLPHENOL				10 UG/L		UR	10 UG/L		UR						
4-AMINOBIPHENYL				50 UG/L		UJ	50 UG/L		UR						
4-NITROQUINOLINE-1-OXIDE				10 UG/L		UJ	10 UG/L		UR						
5-NITRO-O-TOLUIDINE				20 UG/L		U	20 UG/L		UR						
7,12-DIMETHYLBENZ(A)ANTHRAC ENE				20 UG/L		U	20 UG/L		UR						
A,A-DIMETHYLPHENETHYLAMINE				10 UG/L		U	10 UG/L		UR						
ACETONITRILE				200 UG/L		U									
ACETOPHENONE				10 UG/L		U	10 UG/L		UR						
ACROLEIN				10 UG/L		U									
ACROLEIN				10 UG/L		U									
ACROLEIN				10 UG/L		U									
ACROLEIN				10 UG/L		U									
ACRYLONITRILE				10 UG/L		U									
ANILINE				10 UG/L		U	10 UG/L		UR						
ARAMITE				10 UG/L		U	10 UG/L		UR						
DIALLATE				10 UG/L		UJ	10 UG/L		UR						
DIBROMOMETHANE				10 UG/L		U									
DICHLORODIFLUOROMETHANE				200 UG/L		UJ									
DINOSEB				20 UG/L		U	20 UG/L		UR						
DIPHENYLAMINE				10 UG/L		U	10 UG/L		UR						
ETHYL CYANIDE				100 UG/L		UJ									

SAMPLE NUMBER:	066570			066570			066570			GW930125-14			GW930125-14		
LAB:	IT			IT			IT			CORE			FERMCO Laboratory		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			R-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
ETHYL METHACRYLATE				10 UG/L		U									
ETHYL METHANESULFONATE				10 UG/L		U	10 UG/L		UR						
HEXACHLOROPHENE				500 UG/L		UR	500 UG/L		UR						
HEXACHLOROPROPENE				20 UG/L		U	20 UG/L		UR						
IODOMETHANE				5 UG/L		U									
ISODRIN	.2 UG/L		U	.05 UG/L		UR									
ISOSAFROLE				10 UG/L		U	10 UG/L		UR						
KEPONE	.4 UG/L		U	.1 UG/L		UR									
METHACRYLONITRILE				10 UG/L		U									
METHAPYRILENE				40 UG/L		U	40 UG/L		UR						
METHYL METHACRYLATE				10 UG/L		U									
METHYL METHANESULFONATE				10 UG/L		U	10 UG/L		UR						
N-NITROSODI-N-BUTYLAMINE				20 UG/L		U	20 UG/L		UR						
N-NITROSODIETHYLAMINE				10 UG/L		U	10 UG/L		UR						
N-NITROSOMETHYLETHYLAMINE				10 UG/L		U	10 UG/L		UR						
N-NITROSOMORPHOLINE				10 UG/L		U	10 UG/L		UR						
N-NITROSOPIPERIDINE				10 UG/L		U	10 UG/L		UR						
N-NITROSOPYRROLIDINE				10 UG/L		U	10 UG/L		UR						
O-TOLUIDINE				10 UG/L		UJ	10 UG/L		UR						
P-DIMETHYLAMINOAZOBENZENE				30 UG/L		U	30 UG/L		UR						
P-PHENYLENEDIAMINE				50 UG/L		UJ	50 UG/L		UR						
PENTACHLOROBENZENE				20 UG/L		U	20 UG/L		UR						
PENTACHLOROETHANE				20 UG/L		U	20 UG/L		UR						
PENTACHLORONITROBENZENE				20 UG/L		U	20 UG/L		UR						
PHENACETIN				10 UG/L		U	10 UG/L		UR						
PRONAMIDE				30 UG/L		U	30 UG/L		UR						
SAFROLE				10 UG/L		UJ	10 UG/L		UR						
TRANS-1,2-DICHLOROETHENE				5 UG/L		UNV									
TRANS-1,4-DICHLORO-2-BUTENE				20 UG/L		U									
PESTICIDES															
4,4'-DDD	.4 UG/L		U	.1 UG/L		UR									
4,4'-DDE	.4 UG/L		U	.1 UG/L		UR									
4,4'-DDT	.4 UG/L		U	.1 UG/L		UR									
ALDRIN	.2 UG/L		U	.05 UG/L		UR									
ALPHA-BHC	.2 UG/L		U	.05 UG/L		UR									
ALPHA-CHLORDANE	2 UG/L		U	.5 UG/L		UR									
AROCLOR-1016	2 UG/L		U	.5 UG/L		UR									
AROCLOR-1221	2 UG/L		U	.5 UG/L		UR									
AROCLOR-1232	2 UG/L		U	.5 UG/L		UR									
AROCLOR-1242	2 UG/L		U	.5 UG/L		UR									

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SAMPLE NUMBER:	066570			066570			066570			GW930125-14			GW930125-14		
LAB:	IT			IT			IT			CORE			FERMCO Laboratory		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			R-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
AROCLOR-1248	2 UG/L		U	.5 UG/L		UR									
AROCLOR-1254	4 UG/L		U	1 UG/L		UR									
AROCLOR-1260	4 UG/L		U	1 UG/L		UR									
BETA-BHC	.2 UG/L		U	.05 UG/L		UR									
DELTA-BHC	.2 UG/L		U	.05 UG/L		UR									
DIELDRIN	.4 UG/L		U	.1 UG/L		UR									
ENDOSULFAN II	.4 UG/L		U	.1 UG/L		UR									
ENDOSULFAN SULFATE	.4 UG/L		U	.1 UG/L		UR									
ENDOSULFAN-I	.2 UG/L		U	.05 UG/L		UR									
ENDRIN	.4 UG/L		U	.1 UG/L		UR									
ENDRIN KETONE	.4 UG/L		U	.1 UG/L		UR									
GAMMA-BHC (LINDANE)	.2 UG/L		U	.05 UG/L		UR									
GAMMA-CHLORDANE	2 UG/L		U	.5 UG/L		UR									
HEPTACHLOR	.2 UG/L		U	.05 UG/L		UR									
HEPTACHLOR EPOXIDE	.2 UG/L		U	.05 UG/L		UR									
METHOXYCHLOR	2 UG/L		U	.5 UG/L		UR									
TOXAPHENE	4 UG/L		U	1 UG/L		UR									
RADIONUCLIDES															
URANIUM, TOTAL										8.5 UG/L		NV	7.8 UG/L		NV
THORIUM-230										.3 PCI/L	.1	NV			
RADIUM-226										1 PCI/L	.3	UNV			
THORIUM-232										.2 PCI/L	.1	UNV			
THORIUM, TOTAL										.7 UG/L		NV			
RADIUM-228										3 PCI/L	1.2	UNV			
THORIUM-228										.2 PCI/L	.1	UNV			
GROSS ALPHA										2.8 PCI/L	2.6	NV			
GROSS BETA										7.3 PCI/L	2.9	NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U	10 UG/L		UR						
1,2-DICHLOROBENZENE				10 UG/L		U	10 UG/L		UR						
1,3-DICHLOROBENZENE				10 UG/L		U	10 UG/L		UR						
1,4-DICHLOROBENZENE				10 UG/L		U	10 UG/L		UR						
2,4,5-TRICHLOROPHENOL				50 UG/L		UR	50 UG/L		UR						
2,4,6-TRICHLOROPHENOL				10 UG/L		UR	10 UG/L		UR						
2,4-DICHLOROPHENOL				10 UG/L		UR	10 UG/L		UR						
2,4-DIMETHYLPHENOL				10 UG/L		UR	10 UG/L		UR						
2,4-DINITROPHENOL				50 UG/L		UR	50 UG/L		UR						
2,4-DINITROTOLUENE				10 UG/L		U	10 UG/L		UR						

SAMPLE NUMBER:	066570			066570			066570			GW930125-14			GW930125-14		
LAB:	IT			IT			IT			CORE			FERMCO Laboratory		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			R-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,6-DINITROTOLUENE				10 UG/L		U	10 UG/L		UR						
2-CHLORONAPHTHALENE				10 UG/L		U	10 UG/L		UR						
2-CHLOROPHENOL				10 UG/L		UR	10 UG/L		UR						
2-METHYLNAPHTHALENE				10 UG/L		U	10 UG/L		UR						
2-METHYLPHENOL				10 UG/L		UR	10 UG/L		UR						
2-NITROANILINE				50 UG/L		UJ	50 UG/L		UR						
2-NITROPHENOL				10 UG/L		UR	10 UG/L		UR						
3,3'-DICHLOROBENZIDINE				20 UG/L		U	20 UG/L		UR						
3-NITROANILINE				50 UG/L		UJ	50 UG/L		UR						
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U	50 UG/L		UR						
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U	10 UG/L		UR						
4-CHLORO-3-METHYLPHENOL				10 UG/L		U	10 UG/L		UR						
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U	10 UG/L		UR						
4-METHYLPHENOL				10 UG/L		UR	10 UG/L		UR						
4-NITROANILINE				50 UG/L		UJ	50 UG/L		UR						
4-NITROPHENOL				50 UG/L		UR	50 UG/L		UR						
ACENAPHTHENE				10 UG/L		U	10 UG/L		UR						
ACENAPHTHYLENE				10 UG/L		U	10 UG/L		UR						
ANTHRACENE				10 UG/L		U	10 UG/L		UR						
BENZO(A)ANTHRACENE				10 UG/L		U	10 UG/L		UR						
BENZO(A)PYRENE				10 UG/L		U	10 UG/L		UR						
BENZO(B)FLUORANTHENE				10 UG/L		U	10 UG/L		UR						
BENZO(G,H,I)PERYLENE				10 UG/L		U	10 UG/L		UR						
BENZO(K)FLUORANTHENE				10 UG/L		U	10 UG/L		UR						
BENZYL ALCOHOL				10 UG/L		U	10 UG/L		UR						
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U	10 UG/L		UR						
BIS(2-CHLOROETHYL)ETHER				10 UG/L		UR	10 UG/L		UR						
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U	10 UG/L		UNV						
BIS(2-ETHYLHEXYL)PHTHALATE				4 UG/L		U	10 UG/L		UR						
BUTYL BENZYL PHTHALATE				10 UG/L		U	10 UG/L		UR						
CHRYSENE				10 UG/L		U	10 UG/L		UR						
DI-N-BUTYL PHTHALATE				10 UG/L		U	10 UG/L		UR						
DI-N-OCTYL PHTHALATE				10 UG/L		U	10 UG/L		UR						
DIBENZO(A,H)ANTHRACENE				10 UG/L		U	10 UG/L		UR						
DIBENZOFURAN				10 UG/L		U	10 UG/L		UR						
DIETHYL PHTHALATE				10 UG/L		U	10 UG/L		UR						
DIMETHYL PHTHALATE				10 UG/L		U	10 UG/L		UR						
FLUORANTHENE				10 UG/L		U	10 UG/L		UR						
FLUORENE				10 UG/L		U	10 UG/L		UR						
HEXACHLOROBENZENE				10 UG/L		U	10 UG/L		UR						
HEXACHLOROBUTADIENE				10 UG/L		U	10 UG/L		UR						

SAMPLE NUMBER:	066570			066570			066570			GW930125-14			GW930125-14		
LAB:	IT			IT			IT			CORE			FERMCO Laboratory		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			R-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U	10 UG/L		UR						
HEXACHLOROETHANE				10 UG/L		U	10 UG/L		UR						
INDENO(1,2,3-CD)PYRENE				10 UG/L		U	10 UG/L		UR						
ISOPHORONE				10 UG/L		U	10 UG/L		UR						
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U	10 UG/L		UR						
N-NITROSODIMETHYLAMINE				10 UG/L		U	10 UG/L		UR						
N-NITROSODIPHENYLAMINE				2 UG/L		U	10 UG/L		UR						
NAPHTHALENE				10 UG/L		U	10 UG/L		UR						
NITROBENZENE				10 UG/L		U	10 UG/L		UR						
O,O,O-TRIETHYLPHOSPHOROTHIO ATE				10 UG/L		U	10 UG/L		UR						
P-CHLOROANILINE				10 UG/L		UJ	10 UG/L		UR						
PENTACHLOROPHENOL				50 UG/L		UR	50 UG/L		UR						
PHENANTHRENE				10 UG/L		U	10 UG/L		UR						
PHENOL				10 UG/L		UR	10 UG/L		UR						
PYRENE				10 UG/L		UJ	10 UG/L		UR						
PYRIDINE				50000 UG/L		U									
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,1-TRICHLOROETHANE				5 UG/L		UJ									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,2-TRICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHANE				5 UG/L		UJ									
1,1-DICHLOROETHENE				5 UG/L		U									
1,2-DICHLOROETHANE				5 UG/L		UJ									
1,2-DICHLOROPROPANE				5 UG/L		U									
2-BUTANONE				10 UG/L		UJ									
2-HEXANONE				10 UG/L		UJ									
4-METHYL-2-PENTANONE				10 UG/L		UJ									
ACETONE				10 UG/L		UJ									
BENZENE				5 UG/L		UJ									
BROMODICHLOROMETHANE				5 UG/L		UJ									
BROMOFORM				5 UG/L		UJ									
BROMOMETHANE				10 UG/L		UJ									
CARBON DISULFIDE				11 UG/L		-									
CARBON TETRACHLORIDE				5 UG/L		UJ									
CHLOROBENZENE				5 UG/L		UJ									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				5 UG/L		U									
CHLOROMETHANE				10 UG/L		U									

SAMPLE NUMBER:	066570			066570			066570			GW930125-14			GW930125-14		
LAB:	IT			IT			IT			CORE			FERMCO Laboratory		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			R-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CIS-1,3-DICHLOROPROPENE				5 UG/L		U									
DIBROMOCHLOROMETHANE				5 UG/L		U									
ETHYLBENZENE				5 UG/L		UJ									
ISOBUTYL ALCOHOL				3000 UG/L		U									
METHYLENE CHLORIDE				5 UG/L		U									
STYRENE				5 UG/L		UJ									
TETRACHLOROETHENE				5 UG/L		U									
TOLUENE				5 UG/L		UJ									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		UJ									
TRICHLOROETHENE				5 UG/L		U									
TRICHLOROFLUOROMETHANE				5 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				5 UG/L		UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930125-14	GW930125-14	066461	066461	003921
TASK:	RCRA	RCRA	9.25	9.25	3.2.4
LAB:	NET	NET	IT	IT	IT
WELL OR BORING NUMBER:	2037	2037	2037	2037	2042
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-JAN-93	25-JAN-93	28-JUN-89	28-JUN-89	01-MAR-89
NORTH COORDINATE:	482140.97	482140.97	482140.97	482140.97	480394.27
EAST COORDINATE:	1379801.07	1379801.07	1379801.07	1379801.07	1379542.73
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				284 MG/L		NV									
ALLYL CHLORIDE				5 UG/L		UNV									
AMMONIA				.15 MG/L		NV									
BICARBONATE ALKALINITY				360 MG/L		NV									
CARBONATE ALKALINITY				3 MG/L		UNV									
CHLORIDE				22 MG/L		NV				24 MG/L		-			
FLUORIDE				.25 MG/L		NV				.2 MG/L		-			
NITRATE				.02 MG/L		UNV				.1 MG/L		UR			
NITRITE, AS NITROGEN				.02 MG/L		UNV									
PH				7.16 SU		NV									
PHENOLS				.01 MG/L		UNV									
PHOSPHORUS				.1 MG/L		UNV									
SPECIFIC CONDUCTIVITY				1030 UMHOS/CM		NV									
SULFATE				260 MG/L		NV				193 MG/L		-			
TOTAL DISSOLVED SOLIDS	608 MG/L		NV												
TOTAL ORGANIC CARBON				11 MG/L		NV				3.63 MG/L		U			
TOTAL ORGANIC HALIDES				.01 MG/L		UNV				.01 MG/L		U			
TOTAL SOLIDS				628 MG/L		NV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	.2 MG/L		UNV	.187 MG/L		-						
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV									
ARSENIC	.005 MG/L		UNV	.005 MG/L		UNV							.003 MG/L		U
BARIUM	.2 MG/L		UNV	.26 MG/L		NV	.095 MG/L		-				.04 MG/L		-
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV	.001 MG/L		U						
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV							.005 MG/L		U

SAMPLE NUMBER:	GW930125-14			GW930125-14			066461			066461			003921		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	157 MG/L		NV	152 MG/L		NV	145 MG/L		-				120 MG/L		-
CHROMIUM	.002 MG/L		UNV	.0021 MG/L		NV	.0404 MG/L		-				.02 MG/L		-
COBALT	.005 MG/L		UNV	.005 MG/L		UNV	.01 MG/L		U						
COPPER	.02 MG/L		UNV	.02 MG/L		UNV	.01 MG/L		U				.01 MG/L		U
CYANIDE				.005 MG/L		UNV									
IRON	2.65 MG/L		NV	6.39 MG/L		NV	3.47 MG/L		-				.18 MG/L		-
LEAD	.003 MG/L		UNV	.003 MG/L		UNV	.0066 MG/L		-				.002 MG/L		U
MAGNESIUM	31.9 MG/L		NV	30 MG/L		NV	34.3 MG/L		-				26 MG/L		-
MANGANESE	.408 MG/L		NV	.406 MG/L		NV							.23 MG/L		-
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV							.0002 MG/L		UJ
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV							.01 MG/L		-
NICKEL	.01 MG/L		UNV	.01 MG/L		UNV	.02 MG/L		U				.03 MG/L		U
POTASSIUM				3.2 MG/L		NV							2.9 MG/L		-
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV							.005 MG/L		U
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.02 MG/L		-				.01 MG/L		U
SODIUM				15 MG/L		NV							12 MG/L		-
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.027 MG/L		-						
ZINC	.02 MG/L		UNV	.02 MG/L		UNV	.185 MG/L		-						
MISC															
1,2,3-TRICHLOROPROPANE				5 UG/L		UNV									
1,2-DIBROMO-3-CHLOROPROPANE				2 UG/L		UNV									
1,2-DIBROMOETHANE				2 UG/L		UNV									
2-CHLORO-1,3-BUTADIENE				5 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACRYLONITRILE				50 UG/L		UNV									
DICHLORODIFLUOROMETHANE				10 UG/L		UNV									
ETHYL CYANIDE				20 UG/L		UNV									
ETHYL METHACRYLATE				5 UG/L		UNV									
IODOMETHANE				5 UG/L		UNV									
METHACRYLONITRILE				5 UG/L		UNV									
METHYL METHACRYLATE				5 UG/L		UNV									
PENTACHLOROETHANE				5 UG/L		UNV									
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
TRANS-1,4-DICHLORO-2-BUTENE				20 UG/L		UNV									

SAMPLE NUMBER:	GW930125-14			GW930125-14			066461			066461			003921		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL										1 UG/L		U			
URANIUM-234										1 PCI/L		UJ			
THORIUM-230										1 PCI/L		UJ			
URANIUM-235/236										1 PCI/L		UJ			
THORIUM-228										1 PCI/L		UJ			
TECHNETIUM-99										30 PCI/L		UJ			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
CUMENE				1 UG/L		UNV									
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV				5 UG/L		U			
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				10 UG/L		UNV									
2-HEXANONE				10 UG/L		UNV									
4-METHYL-2-PENTANONE				10 UG/L		UNV									
ACETONE				10 UG/L		UNV				7 UG/L		U			
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				5 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				10 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				10 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									

SAMPLE NUMBER:	GW930125-14			GW930125-14			066461			066461			003921		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				10 UG/L		UNV				6 UG/L		U			
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV				5 UG/L		U			
TOLUENE				1 UG/L		UNV				5 UG/L		UJ			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV				5 UG/L		U			
TRICHLOROFLUOROMETHANE				1 UG/L		UNV									
VINYL ACETATE				10 UG/L		UNV									
VINYL CHLORIDE				5 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003921	004036	004036	EMGW_SYSGEN_514	003150
TASK:	3.2.4	3.2.4	3.2.4	GWMON	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2042	2042	2042	2042	2042
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-MAR-89	01-MAR-89	01-MAR-89	04-JUN-90	04-MAY-88
NORTH COORDINATE:	480394.27	480394.27	480394.27	480394.27	480394.27
EAST COORDINATE:	1379542.73	1379542.73	1379542.73	1379542.73	1379542.73
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	NORMAL	NORMAL
QC OF:		003921	003921		
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.3 MG/L		-				.2 MG/L		-						
CHLORIDE	22 MG/L		U				21 MG/L		U						
FLUORIDE	.2 MG/L		-				.2 MG/L		-						
NITRATE	.67 MG/L		J				.39 MG/L		J						
PHENOLS	.005 MG/L		U				.055 MG/L		-						
PHOSPHORUS	.55 MG/L		-				.67 MG/L		-						
SULFATE	100 MG/L		-				140 MG/L		-						
TOTAL KJELDAHL NITROGEN	.6 MG/L		-				.5 MG/L		U						
TOTAL ORGANIC NITROGEN	.3 MG/L		-				.3 MG/L		U						
INORGANICS															
ALUMINUM													.07 MG/L		U
ANTIMONY													.0005 MG/L		U
ARSENIC				.003 MG/L		U							.002 MG/L		U
BARIUM				.051 MG/L		-							.038 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM				.005 MG/L		U							.002 MG/L		U
CALCIUM				160 MG/L		-							79.8 MG/L		J
CHROMIUM				.02 MG/L		-							.02 MG/L		U
COBALT													.01 MG/L		U
COPPER				.01 MG/L		U							.01 MG/L		UJ
IRON				.4 MG/L		-							.186 MG/L		J
LEAD				.002 MG/L		U							.002 MG/L		UJ
MAGNESIUM				31 MG/L		-							21.91 MG/L		J
MANGANESE				.55 MG/L		-							.233 MG/L		-
MERCURY				.0002 MG/L		UJ							.0002 MG/L		U

SAMPLE NUMBER:	003921			004036			004036			EMGW_SYSGEN_514			003150		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM				.01 MG/L		-							.02 MG/L		UJ
NICKEL				.03 MG/L		U							.02 MG/L		U
POTASSIUM				3.7 MG/L		-							2.84 MG/L		UJ
SELENIUM				.005 MG/L		U							.002 MG/L		UJ
SILVER				.01 MG/L		U							.0005 MG/L		R
SODIUM				12 MG/L		-							10.91 MG/L		J
THALLIUM													.001 MG/L		UJ
VANADIUM													.013 MG/L		UJ
ZINC													.013 MG/L		UJ
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1 PCI/L		U	1.49 PCI/L		NV			
URANIUM, TOTAL	3 UG/L	1	-				3 UG/L	1	-	4.41 UG/L		NV			
URANIUM-234	1.2 PCI/L	.4	R				1.2 PCI/L	.4	R	1.49 PCI/L		NV			
THORIUM-230	1 PCI/L		U				1 PCI/L		U	2.79 PCI/L		NV			
RADIUM-226	1 PCI/L		U				1 PCI/L		U	1 PCI/L		UNV			
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U	.26 PCI/L		UNV			
THORIUM-232	1 PCI/L		U				1 PCI/L		U	.508 PCI/L		NV			
THORIUM, TOTAL	3 UG/L		U				3 UG/L		U	4.58 UG/L		NV			
RADIUM-228	3 PCI/L		UJ				3 PCI/L		UJ	3 PCI/L		UNV			
THORIUM-228	1 PCI/L		U				1 PCI/L		U	1.29 PCI/L		NV			
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-239/240	1 PCI/L		R				1 PCI/L		R						
PLUTONIUM-238	1 PCI/L		R				1 PCI/L		R						
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U						
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R						
CESIUM-137	20 PCI/L		R				20 PCI/L		R						
GROSS ALPHA										1920 PCI/L		NV			
GROSS BETA										2250 PCI/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003150	003150	003150	110989	110989
TASK:	3.2.4	3.2.4	3.2.4	20.03.05	20.03.05
LAB:	IT	IT/MWL	IT/RSL	IT	IT/MWL
WELL OR BORING NUMBER:	2042	2042	2042	2042	2042
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-MAY-88	04-MAY-88	04-MAY-88	04-MAY-93	04-MAY-93
NORTH COORDINATE:	480394.27	480394.27	480394.27	480394.27	480394.27
EAST COORDINATE:	1379542.73	1379542.73	1379542.73	1379542.73	1379542.73
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.5 MG/L		U												
CHLORIDE	36.7 MG/L		J												
FLUORIDE	.39 MG/L		J												
NITRATE	.2 MG/L		-												
PHENOLS	.01 MG/L		UJ												
PHOSPHORUS	.056 MG/L		-												
SULFATE							.042 MG/L		-						
TOTAL ORGANIC NITROGEN	.5 MG/L		U												
INORGANICS															
ALUMINUM										.0923 MG/L		U			
ANTIMONY										.0029 MG/L		UJ			
ARSENIC										.001 MG/L		U			
BARIUM										.0425 MG/L		-			
BERYLLIUM										.001 MG/L		U			
CADMIUM										.002 MG/L		U			
CALCIUM										115 MG/L		-			
CHROMIUM										.0055 MG/L		-			
COBALT										.003 MG/L		U			
COPPER										.002 MG/L		U			
CYANIDE	.01 MG/L		UJ							.001 MG/L		U			
IRON										2.38 MG/L		J			
LEAD										.001 MG/L		U			
MAGNESIUM										26.5 MG/L		-			
MANGANESE										1.29 MG/L		J			
MERCURY										.0002 MG/L		U			

SAMPLE NUMBER:	003150			003150			003150			110989			110989		
LAB:	IT			IT/MWL			IT/RSL			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM										.0032 MG/L		U			
NICKEL										.003 MG/L		U			
POTASSIUM										3.16 MG/L		-			
SELENIUM										.001 MG/L		U			
SILICON										4.37 MG/L		-			
SILVER										.002 MG/L		U			
SODIUM										13.1 MG/L		-			
THALLIUM										.001 MG/L		U			
VANADIUM										.0097 MG/L		U			
ZINC										.0039 MG/L		U			
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL	2000 UG/L		U												
DEMETON	1000 UG/L		U												
DIAZINON	500 UG/L		U												
DISULFOTON	500 UG/L		U												
ETHION	500 UG/L		U												
MALATHION	1000 UG/L		U												
METHYL PARATHION	1000 UG/L		U												
PARATHION	500 UG/L		U												
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.5 UG/L		U									
AROCLOR-1016				.5 UG/L		U									
AROCLOR-1221				.5 UG/L		U									
AROCLOR-1232				.5 UG/L		U									
AROCLOR-1242				.5 UG/L		U									
AROCLOR-1248				.5 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									

SAMPLE NUMBER:	003150			003150			003150			110989			110989		
LAB:	IT			IT/MWL			IT/RSL			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.5 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				1 UG/L		U									
RADIONUCLIDES															
URANIUM-238	1.5 PCI/L	.5	J							1.23 PCI/L	.38	-			
URANIUM, TOTAL	4 UG/L	1	J							2.91 UG/L	.31	-			
URANIUM-234	1.4 PCI/L	.5	J							1.33 PCI/L	.4	-			
THORIUM-230	1 PCI/L	.6	J							.25 PCI/L	.15	J			
RADIUM-226	1 PCI/L		U							1 PCI/L	.1	UJ			
URANIUM-235/236	1 PCI/L		UJ							.2 PCI/L	.11	UJ			
THORIUM-232	1 PCI/L		UJ							.2 PCI/L		UJ			
THORIUM, TOTAL										1.2 UG/L	.97	UJ			
RADIUM-228	3 PCI/L		U							3 PCI/L		UJ			
THORIUM-228	1.6 PCI/L	.8	J							.2 PCI/L		UJ			
NEPTUNIUM-237	1 PCI/L		UJ							.5 PCI/L	.08602	UJ			
PLUTONIUM-239/240	1 PCI/L		UJ							.5 PCI/L		UJ			
PLUTONIUM-238	1 PCI/L		UJ							.5 PCI/L	.05463	UJ			
STRONTIUM-90	5 PCI/L		U							1 PCI/L		UJ			
TECHNETIUM-99	30 PCI/L		U							15 PCI/L		UJ			
RUTHENIUM-106	150 PCI/L		R							168 PCI/L		UJ			
CESIUM-137	20 PCI/L		R							18.9 PCI/L		UJ			
GROSS ALPHA										7.51 PCI/L		UJ			
GROSS BETA										5.23 PCI/L	3.14	J			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,3-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,4-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
2,4,5-TRICHLOROPHENOL	50 UG/L		U										25 UG/L		U
2,4,6-TRICHLOROPHENOL	10 UG/L		U										10 UG/L		U
2,4-DICHLOROPHENOL	10 UG/L		U										10 UG/L		U
2,4-DIMETHYLPHENOL	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	003150			003150			003150			110989			110989		
LAB:	IT			IT/MWL			IT/RSL			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DINITROPHENOL	50 UG/L		UJ										25 UG/L		UR
2,4-DINITROTOLUENE	10 UG/L		U										10 UG/L		U
2,6-DINITROTOLUENE	10 UG/L		U										10 UG/L		U
2-CHLORONAPHTHALENE	10 UG/L		U										10 UG/L		U
2-CHLOROPHENOL	10 UG/L		U										10 UG/L		U
2-METHYLNAPHTHALENE	10 UG/L		U										10 UG/L		U
2-METHYLPHENOL	10 UG/L		U										10 UG/L		U
2-NITROANILINE	50 UG/L		U										25 UG/L		U
2-NITROPHENOL	10 UG/L		U										10 UG/L		U
3,3'-DICHLOROBENZIDINE	20 UG/L		UJ										10 UG/L		U
3-NITROANILINE	50 UG/L		UJ										25 UG/L		U
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		UJ										25 UG/L		UJ
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U										10 UG/L		U
4-CHLORO-3-METHYLPHENOL	10 UG/L		U										10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U										10 UG/L		U
4-METHYLPHENOL	10 UG/L		U										10 UG/L		U
4-NITROANILINE	50 UG/L		UJ										25 UG/L		U
4-NITROPHENOL	50 UG/L		U										25 UG/L		UJ
ACENAPHTHENE	10 UG/L		U										10 UG/L		U
ACENAPHTHYLENE	10 UG/L		U										10 UG/L		U
ANTHRACENE	10 UG/L		UJ										10 UG/L		U
BENZO(A)ANTHRACENE	10 UG/L		U										10 UG/L		U
BENZO(A)PYRENE	10 UG/L		U										10 UG/L		U
BENZO(B)FLUORANTHENE	10 UG/L		U										10 UG/L		U
BENZO(G,H,I)PERYLENE	10 UG/L		U										10 UG/L		U
BENZO(K)FLUORANTHENE	10 UG/L		U										10 UG/L		U
BENZOIC ACID	50 UG/L		UJ										50 UG/L		UR
BENZYL ALCOHOL	10 UG/L		U										10 UG/L		UJ
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U										10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U										10 UG/L		UJ
BUTYL BENZYL PHTHALATE	10 UG/L		U										10 UG/L		U
CARBAZOLE													10 UG/L		U
CHRYSENE	10 UG/L		U										10 UG/L		U
DI-N-BUTYL PHTHALATE	10 UG/L		R										10 UG/L		U
DI-N-OCTYL PHTHALATE	10 UG/L		U										10 UG/L		UR
DIBENZO(A,H)ANTHRACENE	10 UG/L		U										10 UG/L		UJ
DIBENZOFURAN	10 UG/L		U										10 UG/L		U
DIETHYL PHTHALATE	10 UG/L		U										10 UG/L		U
DIMETHYL PHTHALATE	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	003150			003150			003150			110989			110989		
LAB:	IT			IT/MWL			IT/RSL			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORANTHENE	10 UG/L		U										10 UG/L		U
FLUORENE	10 UG/L		U										10 UG/L		U
HEXACHLOROBENZENE	10 UG/L		U										10 UG/L		U
HEXACHLOROBUTADIENE	10 UG/L		U										10 UG/L		U
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U										10 UG/L		U
HEXACHLOROETHANE	10 UG/L		U										10 UG/L		U
INDENO(1,2,3-CD)PYRENE	10 UG/L		U										10 UG/L		U
ISOPHORONE	10 UG/L		U										10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U										10 UG/L		U
N-NITROSODIPHENYLAMINE	10 UG/L		U										10 UG/L		U
NAPHTHALENE	10 UG/L		U										10 UG/L		U
NITROBENZENE	10 UG/L		U										10 UG/L		U
P-CHLOROANILINE	10 UG/L		UJ										10 UG/L		U
PENTACHLOROPHENOL	50 UG/L		U										25 UG/L		U
PHENANTHRENE	10 UG/L		UJ										10 UG/L		U
PHENOL	10 UG/L		U										10 UG/L		U
PYRENE	10 UG/L		U										10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U												
1,1,2-TRICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHENE	5 UG/L		U												
1,2-DICHLOROETHANE	5 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U												
1,2-DICHLOROPROPANE	5 UG/L		U												
2-BUTANONE	10 UG/L		UJ												
2-HEXANONE	10 UG/L		UJ												
4-METHYL-2-PENTANONE	10 UG/L		UJ												
ACETONE	7 UG/L		J												
BENZENE	5 UG/L		UJ												
BROMODICHLOROMETHANE	5 UG/L		U												
BROMOFORM	5 UG/L		U												
BROMOMETHANE	10 UG/L		UJ												
CARBON DISULFIDE	5 UG/L		U												
CARBON TETRACHLORIDE	5 UG/L		U												
CHLOROBENZENE	5 UG/L		UJ												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	5 UG/L		U												
CHLOROMETHANE	10 UG/L		U												

SAMPLE NUMBER:	003150			003150			003150			110989			110989		
LAB:	IT			IT/MWL			IT/RSL			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CIS-1,3-DICHLOROPROPENE	5 UG/L		U												
DIBROMOCHLOROMETHANE	5 UG/L		U												
ETHYLBENZENE	5 UG/L		UJ												
METHYLENE CHLORIDE	9 UG/L		UJ												
STYRENE	5 UG/L		UJ												
TETRACHLOROETHENE	5 UG/L		U												
TOLUENE	5 UG/L		UJ												
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U												
TRICHLOROETHENE	5 UG/L		U												
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	5 UG/L		UJ												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	110989	110989	110990	110990	110994
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT/RSL	ITAS	IT	IT	IT
WELL OR BORING NUMBER:	2042	2042	2042	2042	2042
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-MAY-93	04-MAY-93	04-MAY-93	04-MAY-93	04-MAY-93
NORTH COORDINATE:	480394.27	480394.27	480394.27	480394.27	480394.27
EAST COORDINATE:	1379542.73	1379542.73	1379542.73	1379542.73	1379542.73
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					110989
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				255.5 MG/L		-									
AMMONIA				.1 MG/L		U									
CHLORIDE				18.82 MG/L		-									
FLUORIDE				.13 MG/L		-									
NITRATE				1.46 MG/L		J									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.04 MG/L		-									
SULFATE				130.8 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL KJELDAHL NITROGEN				.11 MG/L		-									
TOTAL ORGANIC CARBON				1 MG/L		U									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.11 MG/L		-									
INORGANICS															
ALUMINUM										.0746 MG/L		U	.114 MG/L		-
ANTIMONY										.0032 MG/L		UJ	.0029 MG/L		UJ
ARSENIC										.001 MG/L		U	.001 MG/L		U
BARIUM										.0277 MG/L		-	.0482 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.002 MG/L		U	.002 MG/L		U
CALCIUM										118 MG/L		-	117 MG/L		-
CHROMIUM										.004 MG/L		U	.0151 MG/L		-
COBALT										.003 MG/L		U	.0045 MG/L		-
COPPER										.002 MG/L		U	.0085 MG/L		U
CYANIDE							.001 MG/L		UR				.001 MG/L		U

SAMPLE NUMBER:	110989			110989			110990			110990			110994		
LAB:	IT/RSL			ITAS			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON										.0976 MG/L		U	4.72 MG/L		J
LEAD										.001 MG/L		U	.001 MG/L		U
MAGNESIUM										26.9 MG/L		-	25.9 MG/L		-
MANGANESE										.0947 MG/L		-	2.08 MG/L		J
MERCURY										.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM										.003 MG/L		U	.0044 MG/L		U
NICKEL										.003 MG/L		U	.0043 MG/L		-
POTASSIUM										3.1 MG/L		-	3.06 MG/L		-
SELENIUM										.001 MG/L		U	.001 MG/L		U
SILICON										4.28 MG/L		-	4.33 MG/L		-
SILVER										.002 MG/L		U	.002 MG/L		U
SODIUM										13.1 MG/L		-	12.8 MG/L		-
THALLIUM										.001 MG/L		U	.001 MG/L		U
VANADIUM										.0076 MG/L		U	.0092 MG/L		U
ZINC										.0047 MG/L		U	.0135 MG/L		U
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		UJ												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		UJ												
ALPHA-CHLORDANE	.05 UG/L		U												
AROCLOR-1016	1 UG/L		U												
AROCLOR-1221	2 UG/L		U												
AROCLOR-1232	1 UG/L		U												
AROCLOR-1242	1 UG/L		U												
AROCLOR-1248	1 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		UJ												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN ALDEHYDE	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		UJ												
GAMMA-CHLORDANE	.05 UG/L		U												

SAMPLE NUMBER:	110989			110989			110990			110990			110994		
LAB:	IT/RSL			ITAS			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	5 UG/L		U												
RADIONUCLIDES															
URANIUM-238							1.31 PCI/L	.39	-				1.43 PCI/L	.44	-
URANIUM, TOTAL							3.1 UG/L	.33	-				3.39 UG/L	.36	-
URANIUM-234							1.28 PCI/L	.38	-				1.66 PCI/L	.49	-
THORIUM-230							.2 PCI/L		UJ				1.03 PCI/L	.35	-
RADIUM-226							1 PCI/L	.12	UJ				1 PCI/L	.19	UJ
URANIUM-235/236							.2 PCI/L		UJ				.2 PCI/L		UJ
THORIUM-232							.2 PCI/L		UJ				.2 PCI/L		UJ
THORIUM, TOTAL							1.47 UG/L	.79	UJ				.5 UG/L	.33	UJ
RADIUM-228							3 PCI/L		UJ				3 PCI/L		UJ
THORIUM-228							.49 PCI/L		UJ				.2 PCI/L		UJ
NEPTUNIUM-237							.74 PCI/L		R				.5 PCI/L	.18	UJ
PLUTONIUM-239/240							.5 PCI/L		UJ				.5 PCI/L		UJ
PLUTONIUM-238							.5 PCI/L		UJ				.5 PCI/L	.12	UJ
STRONTIUM-90							1 PCI/L		UJ				1 PCI/L		UJ
TECHNETIUM-99							15 PCI/L		UJ				15 PCI/L		UJ
RUTHENIUM-106							150 PCI/L		UJ				150 PCI/L		UJ
CESIUM-137							19.3 PCI/L		UJ				15.4 PCI/L		UJ
GROSS ALPHA													7.77 PCI/L		UJ
GROSS BETA													7.88 PCI/L	3.51	J
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		U												
BENZENE	10 UG/L		U												

SAMPLE NUMBER:	110989			110989			110990			110990			110994		
LAB:	IT/RSL			ITAS			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		UJ												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		UJ												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		UJ												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	110994			110994			110994			110995			066845		
TASK:	20.03.05			20.03.05			20.03.05			20.03.05			9.27		
LAB:	IT/MWL			IT/RSL			ITAS			IT			IT		
WELL OR BORING NUMBER:	2042			2042			2042			2042			2042		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-MAY-93			04-MAY-93			04-MAY-93			04-MAY-93			05-JAN-90		
NORTH COORDINATE:	480394.27			480394.27			480394.27			480394.27			480394.27		
EAST COORDINATE:	1379542.73			1379542.73			1379542.73			1379542.73			1379542.73		
QA TYPE:	DUPLICATE			DUPLICATE			DUPLICATE			DUPLICATE			NORMAL		
QC OF:	110989			110989			110989			110990					
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							258 MG/L		-						
AMMONIA							.1 MG/L		U						
CHLORIDE							18.87 MG/L		-						
FLUORIDE							.13 MG/L		-						
NITRATE							1.3 MG/L		J						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.02 MG/L		U						
SULFATE							135.5 MG/L		-						
SULFIDE							.5 MG/L		U						
TOTAL KJELDAHL NITROGEN							.1 MG/L		U						
TOTAL ORGANIC CARBON							1 MG/L		U						
TOTAL ORGANIC HALIDES							.01 MG/L		UR						
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
INORGANICS															
ALUMINUM										.079 MG/L		U			
ANTIMONY										.0038 MG/L		UJ			
ARSENIC										.001 MG/L		U			
BARIUM										.0384 MG/L		-			
BERYLLIUM										.001 MG/L		U			
CADMIUM										.002 MG/L		U			
CALCIUM										119 MG/L		-			
CHROMIUM										.004 MG/L		U			
COBALT										.003 MG/L		U			
COPPER										.0048 MG/L		U			
CYANIDE										.001 MG/L		UR			

SAMPLE NUMBER:	110994			110994			110994			110995			066845		
LAB:	IT/MWL			IT/RSL			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON										.821 MG/L		-			
LEAD										.001 MG/L		U			
MAGNESIUM										26.9 MG/L		-			
MANGANESE										.459 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.003 MG/L		U			
NICKEL										.003 MG/L		U			
POTASSIUM										3.16 MG/L		-			
SELENIUM										.001 MG/L		U			
SILICON										4.27 MG/L		-			
SILVER										.002 MG/L		U			
SODIUM										13 MG/L		-			
THALLIUM										.001 MG/L		U			
VANADIUM										.0071 MG/L		U			
ZINC										.0073 MG/L		U			
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		UJ									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		UJ									
ALPHA-CHLORDANE				.05 UG/L		U									
AROCLOR-1016				1 UG/L		U									
AROCLOR-1221				2 UG/L		U									
AROCLOR-1232				1 UG/L		U									
AROCLOR-1242				1 UG/L		U									
AROCLOR-1248				1 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		UJ									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN ALDEHYDE				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		UJ									
GAMMA-CHLORDANE				.05 UG/L		U									

SAMPLE NUMBER:	110994			110994			110994			110995			066845		
LAB:	IT/MWL			IT/RSL			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				5 UG/L		U									
RADIONUCLIDES															
URANIUM-238										1.08 PCI/L	.34	-	1.87 PCI/L	.45	-
URANIUM, TOTAL										1.36 UG/L	.4	-	7.45 UG/L	.8	J
URANIUM-234										1.36 PCI/L	.4	-	1.91 PCI/L	.46	R
THORIUM-230										.2 PCI/L	.13	UJ	1.24 PCI/L	.87	J
RADIUM-226										1 PCI/L		UJ			
URANIUM-235/236										.2 PCI/L		UJ	1 PCI/L		U
THORIUM-232										.2 PCI/L	.13	UJ			
THORIUM, TOTAL										1.01 UG/L	1.2	-			
RADIUM-228										3 PCI/L		UJ			
THORIUM-228										.3 PCI/L		UJ	1 PCI/L		U
NEPTUNIUM-237										.5 PCI/L	.21	UJ			
PLUTONIUM-239/240										.5 PCI/L	.15	UJ			
PLUTONIUM-238										.5 PCI/L		UJ			
STRONTIUM-90										1.81 PCI/L	.54	U			
TECHNETIUM-99										15 PCI/L		UJ	30 PCI/L		U
RUTHENIUM-106										150 PCI/L		UJ			
CESIUM-137										13.5 PCI/L		UJ			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	25 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	25 UG/L		UR												
2,4-DINITROTOLUENE	10 UG/L		U												
2,6-DINITROTOLUENE	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												

SAMPLE NUMBER:	110994			110994			110994			110995			066845		
LAB:	IT/MWL			IT/RSL			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-NITROANILINE	25 UG/L		U												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	10 UG/L		U												
3-NITROANILINE	25 UG/L		U												
4,6-DINITRO-2-METHYLPHENOL	25 UG/L		UJ												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	25 UG/L		U												
4-NITROPHENOL	25 UG/L		UJ												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		U												
BENZOIC ACID	50 UG/L		UR												
BENZYL ALCOHOL	10 UG/L		UJ												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		UJ												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CARBAZOLE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		U												
DI-N-OCTYL PHTHALATE	10 UG/L		UR												
DIBENZO(A,H)ANTHRACENE	10 UG/L		UJ												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		U												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		U												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U												
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												

SAMPLE NUMBER:	110994			110994			110994			110995			066845		
LAB:	IT/MWL			IT/RSL			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		U												
PENTACHLOROPHENOL	25 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U				.01 MG/L		U						
PYRENE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		UJ									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		UJ									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				2 UG/L		R									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		UJ									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		UJ									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		UR									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									

SAMPLE NUMBER:	110994			110994			110994			110995			066845		
LAB:	IT/MWL			IT/RSL			ITAS			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL ACETATE				10 UG/L		UJ									
VINYL CHLORIDE				10 UG/L		UJ									
XYLENES, TOTAL				10 UG/L		U									

SAMPLE NUMBER:	EMGW_SYSGEN_515	003415	003415	003415	003415
TASK:	GWMON	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	NET	IT	IT	IT	IT/RSL
WELL OR BORING NUMBER:	2042	2042	2042	2042	2042
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-JUN-90	09-AUG-88	09-AUG-88	09-AUG-88	09-AUG-88
NORTH COORDINATE:	480394.27	480394.27	480394.27	480394.27	480394.27
EAST COORDINATE:	1379542.73	1379542.73	1379542.73	1379542.73	1379542.73
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	F-FIL	NONE-FIL	U-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE	26 MG/L		NV												
NITRATE, AS NITROGEN	2.24 MG/L		NV												
SULFATE	130 MG/L		NV												
TOTAL ORGANIC CARBON	25 MG/L		NV												
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
INORGANICS															
ALUMINUM													.2 MG/L		U
ANTIMONY													.06 MG/L		-
ARSENIC													.01 MG/L		U
BARIUM													.2 MG/L		U
BERYLLIUM													.005 MG/L		U
CADMIUM													.005 MG/L		U
CALCIUM													100 MG/L		-
CHROMIUM													.01 MG/L		U
COBALT													.05 MG/L		U
COPPER													.03 MG/L		U
IRON													.2 MG/L		-
LEAD													.005 MG/L		U
MAGNESIUM													25 MG/L		-
MANGANESE													.11 MG/L		-
MERCURY							.0003 MG/L		U						
MOLYBDENUM													.05 MG/L		U
NICKEL													.04 MG/L		U
POTASSIUM													5 MG/L		U
SELENIUM													.005 MG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_515			003415			003415			003415			003415		
LAB:	NET			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-FIL			U-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SILVER													.01 MG/L		U
SODIUM													12 MG/L		-
THALLIUM													.5 MG/L		U
VANADIUM													.05 MG/L		U
ZINC													.05 MG/L		-
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		U			
URANIUM, TOTAL				1 UG/L	1	-				2 UG/L	1	-			
URANIUM-234				1 PCI/L		U				1.1 PCI/L	.3	-			
THORIUM-230				1 PCI/L		U				1 PCI/L		U			
RADIUM-226				1 PCI/L		UJ				1 PCI/L		UJ			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL				3 UG/L		U				3 UG/L		U			
RADIUM-228				3 PCI/L		U				3 PCI/L		U			
THORIUM-228				1 PCI/L		U				1 PCI/L		U			
NEPTUNIUM-237				1 PCI/L		UJ				1 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_515			003415			003415			003415			003415		
LAB:	NET			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-FIL			U-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003415	EMGW_SYSGEN_518	EMGW_SYSGEN_518	EMGW_SYSGEN_518	EMGW_SYSGEN_517
TASK:	3.2.4	GWMON	GWMON	GWMON	GWMON
LAB:	IT/RSL	IT	NET	NET	NET
WELL OR BORING NUMBER:	2042	2042	2042	2042	2042
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-AUG-88	11-FEB-91	11-FEB-91	11-FEB-91	12-NOV-90
NORTH COORDINATE:	480394.27	480394.27	480394.27	480394.27	480394.27
EAST COORDINATE:	1379542.73	1379542.73	1379542.73	1379542.73	1379542.73
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										245 MG/L		NV			
AMMONIA	.3 MG/L		U							.09 MG/L		NV			
CHLORIDE	18 MG/L		-							25 MG/L		NV			
FLUORIDE	1.2 MG/L		-							.21 MG/L		NV			
NITRATE	.9 MG/L		J							2.26 MG/L		NV			
NITRATE, AS NITROGEN										2.26 MG/L		NV			
PH	.05 MG/L		U							7.48 SU		NV			
PHENOLS	.05 MG/L		U							.005 MG/L		UNV			
PHOSPHORUS										.21 MG/L		NV			
SPECIFIC CONDUCTIVITY										643 UMHOS/CM		NV			
SULFATE	86 MG/L		J							93 MG/L		NV			
TOTAL DISSOLVED SOLIDS										394 MG/L		NV			
TOTAL KJELDAHL NITROGEN	15 MG/L		U												
TOTAL ORGANIC CARBON										7 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	.3 MG/L		U												
INORGANICS															
ALUMINUM							.5 MG/L		UNV	4.25 MG/L		NV	.5 MG/L		UNV
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC							.0025 MG/L		UNV	.011 MG/L		NV	.0025 MG/L		UNV
BARIUM							.2 MG/L		UNV	.415 MG/L		NV	.2 MG/L		UNV
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM							74.6 MG/L		NV	152 MG/L		NV	35.7 MG/L		NV
CHROMIUM										.005 MG/L		UNV			

SAMPLE NUMBER:	003415			EMGW_SYSGEN_518			EMGW_SYSGEN_518			EMGW_SYSGEN_518			EMGW_SYSGEN_517		
LAB:	IT/RSL			IT			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT							.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV
COPPER							.025 MG/L		UNV	.037 MG/L		NV	.025 MG/L		UNV
CYANIDE										.012 MG/L		NV			
IRON							.05 MG/L		UNV	17.4 MG/L		NV	.156 MG/L		NV
LEAD							.005 MG/L		UNV	.014 MG/L		NV	.005 MG/L		UNV
MAGNESIUM							24.2 MG/L		NV	38 MG/L		NV	11 MG/L		NV
MANGANESE							.073 MG/L		NV	1.86 MG/L		NV	.234 MG/L		NV
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV
NICKEL							.008 MG/L		NV	.037 MG/L		NV	.005 MG/L		UNV
POTASSIUM							3.45 MG/L		NV	3.98 MG/L		NV	3.85 MG/L		NV
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER							.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV
SODIUM							12.4 MG/L		NV	15.8 MG/L		NV	15 MG/L		NV
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV
ZINC							.021 MG/L		NV	.057 MG/L		NV	.027 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				6.71 PCI/L		NV									
URANIUM, TOTAL				15.2 UG/L		NV									
URANIUM-234				3.2 PCI/L		NV									
THORIUM-230				1.45 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.212 PCI/L		NV									
THORIUM-232				1.3 PCI/L		NV									
THORIUM, TOTAL				11.8 UG/L		NV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				2.03 PCI/L		NV									
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
TECHNETIUM-99				15 PCI/L		UNV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				8.3 PCI/L		UNV									
GROSS ALPHA				20.2 PCI/L		NV									
GROSS BETA				33.6 PCI/L		NV									

SAMPLE NUMBER:	003415			EMGW_SYSGEN_518			EMGW_SYSGEN_518			EMGW_SYSGEN_518			EMGW_SYSGEN_517		
LAB:	IT/RSL			IT			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_517	003722	003722	EMGW_SYSGEN_516	EMGW_SYSGEN_516
TASK:	GWMON	3.2.4	3.2.4	GWMON	GWMON
LAB:	NET	IT	IT	IT	NET
WELL OR BORING NUMBER:	2042	2042	2042	2042	2042
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-NOV-90	17-NOV-88	17-NOV-88	20-AUG-90	20-AUG-90
NORTH COORDINATE:	480394.27	480394.27	480394.27	480394.27	480394.27
EAST COORDINATE:	1379542.73	1379542.73	1379542.73	1379542.73	1379542.73
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	190 MG/L		NV												
AMMONIA	.09 MG/L		NV				.1 MG/L		UJ						
CHLORIDE	21 MG/L		NV				19.5 MG/L		J						
FLUORIDE	.15 MG/L		NV				.14 MG/L		-						
NITRATE	.59 MG/L		NV				.436 MG/L		UJ						
NITRATE/NITRITE	.59 MG/L		NV												
PH	6.53 SU		NV				.01 MG/L		UJ						
PHENOLS	.005 MG/L		UNV				.01 MG/L		UJ						
PHOSPHORUS	.15 MG/L		NV				.02 MG/L		UJ						
SPECIFIC CONDUCTIVITY	649 UMHOS/CM		NV												
SULFATE	72 MG/L		NV				103 MG/L		J						
TOTAL DISSOLVED SOLIDS	540 MG/L		NV												
TOTAL KJELDAHL NITROGEN							.26 MG/L		UJ						
TOTAL ORGANIC CARBON	11 MG/L		NV												
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.26 MG/L		-						
INORGANICS															
ALUMINUM	1.83 MG/L		NV										.5 MG/L		UNV
ANTIMONY	.025 MG/L		UNV										.025 MG/L		UNV
ARSENIC	.006 MG/L		NV	.002 MG/L		U							.0025 MG/L		UNV
BARIUM	.2 MG/L		UNV	.043 MG/L		-							.2 MG/L		UNV
BERYLLIUM	.01 MG/L		UNV										.01 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.002 MG/L		U							.001 MG/L		UNV
CALCIUM	80.8 MG/L		NV	106 MG/L		-							120 MG/L		NV

SAMPLE NUMBER:	EMGW_SYSGEN_517			003722			003722			EMGW_SYSGEN_516			EMGW_SYSGEN_516		
LAB:	NET			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM	.022 MG/L		NV	.02 MG/L		U									
COBALT	.025 MG/L		UNV										.025 MG/L		UNV
COPPER	.025 MG/L		UNV	.01 MG/L		U							.025 MG/L		UNV
CYANIDE	.005 MG/L		UNV												
IRON	.907 MG/L		NV	.321 MG/L		-							.05 MG/L		UNV
LEAD	.005 MG/L		UNV	.002 MG/L		UJ							.005 MG/L		UNV
MAGNESIUM	31.2 MG/L		NV	25.5 MG/L		-							23.6 MG/L		NV
MANGANESE	1.27 MG/L		NV	.113 MG/L		-							.386 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		U							.0002 MG/L		UNV
MOLYBDENUM	.025 MG/L		UNV	.022 MG/L		-							.025 MG/L		UNV
NICKEL	.013 MG/L		NV	.02 MG/L		U							.005 MG/L		UNV
POTASSIUM	3.53 MG/L		NV	2.37 MG/L		-							3.54 MG/L		NV
SELENIUM	.0025 MG/L		UNV	.002 MG/L		UJ							.0025 MG/L		UNV
SILVER	.001 MG/L		UNV	.0005 MG/L		U							.001 MG/L		UNV
SODIUM	9 MG/L		NV	11.5 MG/L		-							11.1 MG/L		NV
THALLIUM	.01 MG/L		UNV										.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV										.05 MG/L		UNV
ZINC	.045 MG/L		NV										.02 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U	3.45 PCI/L		NV			
URANIUM, TOTAL							2 UG/L	1	-	8.19 UG/L		NV			
URANIUM-234							1 PCI/L		U	3.56 PCI/L		NV			
THORIUM-230							1 PCI/L		U	.454 PCI/L		NV			
RADIUM-226							1 PCI/L		U	1 PCI/L		UNV			
URANIUM-235/236							1 PCI/L		U	.2 PCI/L		UNV			
THORIUM-232							1 PCI/L		U	.2 PCI/L		UNV			
THORIUM, TOTAL							2 UG/L		U	1.8 UG/L		UNV			
RADIUM-228							3 PCI/L		U	3 PCI/L		UNV			
THORIUM-228							1 PCI/L		U	.307 PCI/L		NV			
NEPTUNIUM-237							1 PCI/L		U						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						

SAMPLE NUMBER:	EMGW_SYSGEN_517			003722			003722			EMGW_SYSGEN_516			EMGW_SYSGEN_516		
LAB:	NET			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
GROSS ALPHA										15.8 PCI/L		NV			
GROSS BETA										17.6 PCI/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_517			003722			003722			EMGW_SYSGEN_516			EMGW_SYSGEN_516		
LAB:	NET			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_516	EMGW_SYSGEN_529	EMGW_SYSGEN_529	EMGW_SYSGEN_529	003887
TASK:	GWMON	GWMON	GWMON	GWMON	3.2.4
LAB:	NET	NET	NET	WMCO	IT
WELL OR BORING NUMBER:	2042	2043	2043	2043	2043
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-AUG-90	01-OCT-91	01-OCT-91	01-OCT-91	02-FEB-89
NORTH COORDINATE:	480394.27	481760.81	481760.81	481760.81	481760.81
EAST COORDINATE:	1379542.73	1377051.97	1377051.97	1377051.97	1377051.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							352 MG/L		NV						
AMMONIA							1.71 MG/L		NV						
CHLORIDE	21 MG/L		NV				36 MG/L		NV						
FLUORIDE	.19 MG/L		NV				.51 MG/L		NV						
NITRATE, AS NITROGEN	.02 MG/L		UNV				.06 MG/L		NV						
PH	.005 MG/L		UNV				7 SU		NV						
PHENOLS	.005 MG/L		UNV				.005 MG/L		UNV						
PHOSPHORUS							.42 MG/L		NV						
SPECIFIC CONDUCTIVITY							1030 UMHOS/CM		NV						
SULFATE	112 MG/L		NV				154 MG/L		NV						
TOTAL DISSOLVED SOLIDS							718 MG/L		NV						
TOTAL ORGANIC CARBON	3 MG/L		NV				12 MG/L		NV						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.01 MG/L		UNV						
INORGANICS															
ALUMINUM	3.46 MG/L		NV	.2 MG/L		UNV	.2 MG/L		UNV						
ANTIMONY	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV						
ARSENIC	.007 MG/L		NV	.005 MG/L		UNV	.005 MG/L		UNV				.002 MG/L		U
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV	.24 MG/L		NV				.272 MG/L		-
BERYLLIUM	.01 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV						
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV				.007 MG/L		-
CALCIUM	215 MG/L		NV	130 MG/L		NV	130 MG/L		NV				110 MG/L		-
CHROMIUM	.005 MG/L		UNV				.0039 MG/L		NV				.024 MG/L		-
COBALT	.025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV						
COPPER	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV				.022 MG/L		-
CYANIDE							.005 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_516			EMGW_SYSGEN_529			EMGW_SYSGEN_529			EMGW_SYSGEN_529			003887		
LAB:	NET			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	9.53 MG/L		NV	1 MG/L		NV	7.8 MG/L		NV				1.04 MG/L		-
LEAD	.005 MG/L		UNV	.003 MG/L		UNV	.003 MG/L		UNV				.006 MG/L		-
MAGNESIUM	48.8 MG/L		NV	43 MG/L		NV	48 MG/L		NV				38.8 MG/L		-
MANGANESE	3.48 MG/L		NV	.401 MG/L		NV	.38 MG/L		NV				.145 MG/L		-
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV				.0062 MG/L		UJ
MOLYBDENUM	.025 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV				.02 MG/L		U
NICKEL	.008 MG/L		NV	.01 MG/L		UNV	.01 MG/L		UNV				.023 MG/L		-
POTASSIUM	4.12 MG/L		NV	1.5 MG/L		NV	1.4 MG/L		NV				1.46 MG/L		-
SELENIUM	.0025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV				.006 MG/L		J
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV				.0005 MG/L		U
SODIUM	11.3 MG/L		NV	30 MG/L		NV	38 MG/L		NV				39.2 MG/L		-
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV						
ZINC	.026 MG/L		NV	.066 MG/L		NV	.074 MG/L		NV						
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM, TOTAL										.6 UG/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV						
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV						
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV						
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV						
ACETONE	2 UG/L		UNV				2 UG/L		UNV						
BENZENE	1 UG/L		UNV				1 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_516			EMGW_SYSGEN_529			EMGW_SYSGEN_529			EMGW_SYSGEN_529			003887		
LAB:	NET			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV						
BROMOMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV						
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV						
CHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV						
METHYLENE CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
STYRENE	1 UG/L		UNV				1 UG/L		UNV						
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TOLUENE	1 UG/L		UNV				1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
VINYL ACETATE	2 UG/L		UNV				2 UG/L		UNV						
VINYL CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003887	003700	003700	003440	003440
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2043	2043	2043	2043	2043
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-FEB-89	04-NOV-88	04-NOV-88	05-AUG-88	05-AUG-88
NORTH COORDINATE:	481760.81	481760.81	481760.81	481760.81	481760.81
EAST COORDINATE:	1377051.97	1377051.97	1377051.97	1377051.97	1377051.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	1.73 MG/L		-				2.73 MG/L		-				.1 MG/L		U
CHLORIDE							54.2 MG/L		-				66 MG/L		-
FLUORIDE	.49 MG/L		-				.28 MG/L		J				.58 MG/L		-
NITRATE	.1 MG/L		R				.1 MG/L		UJ				.1 MG/L		R
PHENOLS	.09 MG/L		R				.01 MG/L		U				.03 MG/L		J
PHOSPHORUS	1.07 MG/L		J				.02 MG/L		U				.06 MG/L		-
SULFATE	5.4 MG/L		-				166 MG/L		-				13 MG/L		-
TOTAL KJELDAHL NITROGEN	1.63 MG/L		J				2.9 MG/L		J						
TOTAL ORGANIC HALIDES	.023 MG/L		-				.05 MG/L		U						
TOTAL ORGANIC NITROGEN	.1 MG/L		U				.17 MG/L		-				2 MG/L		J
INORGANICS															
ARSENIC				.002 MG/L		U				.01 MG/L		U			
BARIUM				.04 MG/L		-				.2 MG/L		-			
CADMIUM				.002 MG/L		U				.005 MG/L		U			
CALCIUM				72.4 MG/L		-				100 MG/L		-			
CHROMIUM				.02 MG/L		U				.01 MG/L		U			
COPPER				.01 MG/L		U				.03 MG/L		U			
IRON				.06 MG/L		-				1.1 MG/L		-			
LEAD				.002 MG/L		UJ				.005 MG/L		U			
MAGNESIUM				25.9 MG/L		-				38 MG/L		-			
MANGANESE				.1 MG/L		-				.15 MG/L		-			
MERCURY				.0002 MG/L		U				.0003 MG/L		U			
MOLYBDENUM				.02 MG/L		U				.05 MG/L		U			
NICKEL				.02 MG/L		U				.04 MG/L		U			
POTASSIUM				.777 MG/L		UJ				5 MG/L		U			

SAMPLE NUMBER:	003887			003700			003700			003440			003440		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.002 MG/L		UJ				.005 MG/L		U			
SILVER				.01 MG/L		U				.01 MG/L		U			
SODIUM				7.6 MG/L		-				40 MG/L		-			
RADIONUCLIDES															
URANIUM-238	1.3 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL	1 UG/L		U				1 UG/L		U				1 UG/L	1	-
URANIUM-234	1.3 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
THORIUM-230	2.5 PCI/L	1	-				1 PCI/L		U				1 PCI/L		U
RADIUM-226	1 PCI/L		U				1 PCI/L		U				1 PCI/L		R
URANIUM-235/236	1.3 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
THORIUM-232	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL	10 UG/L		U				2 UG/L		U				2 UG/L		U
RADIUM-228	3 PCI/L		UJ				4.8 PCI/L	1.7	J				3 PCI/L		R
THORIUM-228	2.9 PCI/L	1.1	-				1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R				150 PCI/L		R
CESIUM-137	20 PCI/L		R				20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_524	EMGW_SYSGEN_524	EMGW_SYSGEN_524	EMGW_SYSGEN_525	EMGW_SYSGEN_525
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	IT	NET	NET	IT	NET
WELL OR BORING NUMBER:	2043	2043	2043	2043	2043
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-AUG-90	06-AUG-90	06-AUG-90	06-NOV-90	06-NOV-90
NORTH COORDINATE:	481760.81	481760.81	481760.81	481760.81	481760.81
EAST COORDINATE:	1377051.97	1377051.97	1377051.97	1377051.97	1377051.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE							28 MG/L		NV						
FLUORIDE							.38 MG/L		NV						
NITRATE, AS NITROGEN							.17 MG/L		NV						
PHENOLS							.005 MG/L		UNV						
SULFATE							88 MG/L		NV						
TOTAL ORGANIC CARBON							4 MG/L		NV						
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.5 MG/L		UNV	9.19 MG/L		NV				.5 MG/L		UNV
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
ARSENIC				.0025 MG/L		UNV	.011 MG/L		NV				.0025 MG/L		UNV
BARIUM				.27 MG/L		NV	.625 MG/L		NV				.2 MG/L		UNV
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV
CALCIUM				44.4 MG/L		NV	142 MG/L		NV				79.6 MG/L		NV
CHROMIUM							.005 MG/L		UNV						
COBALT				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
COPPER				.025 MG/L		UNV	.047 MG/L		NV				.025 MG/L		UNV
IRON				.301 MG/L		NV	46.8 MG/L		NV				.607 MG/L		NV
LEAD				.005 MG/L		UNV	.019 MG/L		NV				.005 MG/L		UNV
MAGNESIUM				33.2 MG/L		NV	68.8 MG/L		NV				15 MG/L		NV
MANGANESE				.193 MG/L		NV	.632 MG/L		NV				.138 MG/L		NV
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UNV
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
NICKEL				.005 MG/L		UNV	.055 MG/L		NV				.005 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_524			EMGW_SYSGEN_524			EMGW_SYSGEN_524			EMGW_SYSGEN_525			EMGW_SYSGEN_525		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM				1.9 MG/L		NV	5.5 MG/L		NV				1.52 MG/L		NV
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV				.0025 MG/L		UNV
SILVER				.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV
SODIUM				28 MG/L		NV	30.4 MG/L		NV				34.1 MG/L		NV
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV
ZINC				.02 MG/L		UNV	.122 MG/L		NV				.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238	5.17 PCI/L		NV							.209 PCI/L		NV			
URANIUM, TOTAL	15.5 UG/L		NV							.739 UG/L		NV			
URANIUM-234	4.35 PCI/L		NV							.343 PCI/L		NV			
THORIUM-230	.68 PCI/L		UNV							.56 PCI/L		UNV			
RADIUM-226	2.6 PCI/L		NV							1 PCI/L		UNV			
URANIUM-235/236	.312 PCI/L		NV							.2 PCI/L		UNV			
THORIUM-232	.68 PCI/L		UNV							.56 PCI/L		UNV			
THORIUM, TOTAL	6.2 UG/L		UNV							5 UG/L		UNV			
RADIUM-228	3 PCI/L		UNV							3 PCI/L		UNV			
THORIUM-228	1.73 PCI/L		NV							.704 PCI/L		NV			
NEPTUNIUM-237										.5 PCI/L		UNV			
PLUTONIUM-239/240										.5 PCI/L		UNV			
PLUTONIUM-238										.5 PCI/L		UNV			
TECHNETIUM-99										15 PCI/L		UNV			
RUTHENIUM-106										150 PCI/L		UNV			
CESIUM-137										4 PCI/L		UNV			
GROSS ALPHA										9 PCI/L		UNV			
GROSS BETA										7.1 PCI/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_524			EMGW_SYSGEN_524			EMGW_SYSGEN_524			EMGW_SYSGEN_525			EMGW_SYSGEN_525		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_525	GW930407-12	GW930407-12	GW930407-12	GW930407-12
TASK:	GWMON	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	NET	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	2043	2043	2043	2043	2043
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-NOV-90	07-APR-93	07-APR-93	07-APR-93	07-APR-93
NORTH COORDINATE:	481760.81	481760.81	481760.81	481760.81	481760.81
EAST COORDINATE:	1377051.97	1377051.97	1377051.97	1377051.97	1377051.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	394 MG/L		NV												
AMMONIA	2.14 MG/L		NV												
CHLORIDE	33 MG/L		NV												
FLUORIDE	.41 MG/L		NV												
NITRATE/NITRITE	.04 MG/L		NV												
PH	7.24 SU		NV												
PHENOLS	.005 MG/L		UNV												
PHOSPHORUS	.68 MG/L		NV												
SPECIFIC CONDUCTIVITY	947 UMHOS/CM		NV												
SULFATE	66 MG/L		NV												
TOTAL DISSOLVED SOLIDS	586 MG/L		NV												
TOTAL ORGANIC CARBON	3 MG/L		NV												
TOTAL ORGANIC HALOGENS	.016 MG/L		NV												
INORGANICS															
ALUMINUM	1.47 MG/L		NV												
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.004 MG/L		NV												
BARIUM	.411 MG/L		NV												
BERYLLIUM	.01 MG/L		UNV												
CADMIUM	.001 MG/L		UNV												
CALCIUM	137 MG/L		NV												
CHROMIUM	.011 MG/L		NV												
COBALT	.025 MG/L		UNV												
COPPER	.025 MG/L		UNV												
CYANIDE	.005 MG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_525			GW930407-12			GW930407-12			GW930407-12			GW930407-12		
LAB:	NET			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	14.2 MG/L		NV												
LEAD	.01 MG/L		NV												
MAGNESIUM	50 MG/L		NV												
MANGANESE	.271 MG/L		NV												
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	.025 MG/L		UNV												
NICKEL	.009 MG/L		NV												
POTASSIUM	2.24 MG/L		NV												
SELENIUM	.0025 MG/L		UNV												
SILVER	.001 MG/L		UNV												
SODIUM	28.5 MG/L		NV												
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV												
ZINC	.054 MG/L		NV												
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				.6 PCI/L	.3	J	.5 PCI/L	.4	UJ						
URANIUM, TOTAL				.4 UG/L	.1	-	.2 UG/L	.1	J	.7 UG/L		UNV	.5 UG/L		UNV
URANIUM-234				.5 PCI/L	.3	UJ	.5 PCI/L	.3	UJ						
THORIUM-230				.2 PCI/L	.1	UJ	.4 PCI/L	.1	J						
RADIUM-226				1 PCI/L	.4	UJ	1.1 PCI/L	.4	-						
URANIUM-235/236				.2 PCI/L	.3	UJ	.2 PCI/L	.3	UJ						
THORIUM-232				.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ						
THORIUM, TOTAL							.91201984 PCI/L	.1	NV						
RADIUM-228				3 PCI/L	1.1	U	3 PCI/L	1.6	U						
THORIUM-228				.3 PCI/L	.1	UJ	.2 PCI/L	.1	UJ						
GROSS ALPHA				4.4 PCI/L	2.5	NV	5 PCI/L	1.8	NV						
GROSS BETA				4 PCI/L	2.4	UNV	6.6 PCI/L	3.6	NV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												

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SAMPLE NUMBER:	EMGW_SYSGEN_525			GW930407-12			GW930407-12			GW930407-12			GW930407-12		
LAB:	NET			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930407-12	GW930407-12	003091	003091	066585
TASK:	50.03.23	50.03.23	3.2.4	3.2.4	9.25
LAB:	LOCKHEED	LOCKHEED	IT	IT	IT-KNOX
WELL OR BORING NUMBER:	2043	2043	2043	2043	2043
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-APR-93	07-APR-93	13-APR-88	13-APR-88	13-SEP-89
NORTH COORDINATE:	481760.81	481760.81	481760.81	481760.81	481760.81
EAST COORDINATE:	1377051.97	1377051.97	1377051.97	1377051.97	1377051.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				430 MG/L		-									
AMMONIA				2.6 MG/L		-				1.82 MG/L		J			
BICARBONATE ALKALINITY				430 MG/L		-									
CARBONATE ALKALINITY				30 MG/L		U									
CHLORIDE				57 MG/L		-				51.1 MG/L		J			
FLUORIDE				.54 MG/L		-				.58 MG/L		-			
NITRATE				.051 MG/L		-				.1 MG/L		R			
NITRATE/NITRITE				.051 MG/L		-									
PH				7.4 SU		-				.02 MG/L		-			
PHENOLS				.15 MG/L		U				.02 MG/L		-			
PHOSPHORUS				.17 MG/L		-				.1 MG/L		J			
SPECIFIC CONDUCTIVITY				860 UMHOS/CM		-									
SULFATE				25 MG/L		-				40 MG/L		J			
TOTAL DISSOLVED SOLIDS	540 MG/L		-												
TOTAL ORGANIC CARBON				2.7 MG/L		-									
TOTAL ORGANIC HALIDES				.073 MG/L		-									
TOTAL ORGANIC NITROGEN				-.078 MG/L		U				.1 MG/L		UJ			
TOTAL SOLIDS				530 MG/L		-									
INORGANICS															
ALUMINUM	.036 MG/L		U	.036 MG/L		U									
ANTIMONY	.031 MG/L		U	.031 MG/L		UJ									
ARSENIC	.0027 MG/L		-	.002 MG/L		U	.2 MG/L		UJ						
BARIUM	.285 MG/L		-	.261 MG/L		-	.195 MG/L		R						
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									
CADMIUM	.003 MG/L		U	.003 MG/L		U	.002 MG/L		U						

SAMPLE NUMBER:	GW930407-12			GW930407-12			003091			003091			066585		
LAB:	LOCKHEED			LOCKHEED			IT			IT			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	123 MG/L		-	112 MG/L		-	103 MG/L		J						
CHROMIUM	.003 MG/L		U	.003 MG/L		U	.02 MG/L		U						
COBALT	.009 MG/L		U	.009 MG/L		U									
COPPER	.005 MG/L		U	.005 MG/L		U	.01 MG/L		UJ						
CYANIDE	.00002 MG/L		U	.00002 MG/L		U									
IRON	1.4 MG/L		-	1.28 MG/L		-	.259 MG/L		-						
LEAD	.002 MG/L		U	.002 MG/L		U	.05 MG/L		UJ						
MAGNESIUM	41.5 MG/L		-	39 MG/L		-	36.4 MG/L		J						
MANGANESE	.153 MG/L		J	.135 MG/L		J	.168 MG/L		-						
MERCURY	.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		UJ						
MOLYBDENUM							.02 MG/L		U						
NICKEL	.031 MG/L		U	.031 MG/L		U	.02 MG/L		U						
POTASSIUM	1.07 MG/L		-	1.23 MG/L		-	1.82 MG/L		J						
SELENIUM	.002 MG/L		UJ	.002 MG/L		U	.2 MG/L		UJ						
SILVER	.0031 MG/L		-	.003 MG/L		U	.01 MG/L		UJ						
SODIUM	40.2 MG/L		J	36.5 MG/L		J	35.3 MG/L		J						
THALLIUM	.003 MG/L		UJ	.003 MG/L		U									
VANADIUM	.007 MG/L		U	.007 MG/L		U									
ZINC	.002 MG/L		U	.0041 MG/L		U									
RADIONUCLIDES															
URANIUM-238										1 PCI/L		U			
URANIUM, TOTAL										1 UG/L	1	-			
URANIUM-234										1 PCI/L		U			
THORIUM-230										1 PCI/L		U			
RADIUM-226										1.4 PCI/L	.8	J			
URANIUM-235/236										1 PCI/L		U			
THORIUM-232										1 PCI/L		U			
RADIUM-228										3 PCI/L		U			
THORIUM-228										1 PCI/L		U			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
SEMIVOLATILES															
BENZOIC ACID													50 UG/L		U

SAMPLE NUMBER:	GW930407-12			GW930407-12			003091			003091			066585		
LAB:	LOCKHEED			LOCKHEED			IT			IT			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		UJ									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		UJ									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		UJ									
CHLOROETHANE				10 UG/L		UJ									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		UJ									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		UJ									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		UJ									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066585			066585			066585			066587			066587		
TASK:	9.25			9.25			9.25			9.25			9.25		
LAB:	IT-SAN JOSE			IT			IT			IT-SAN JOSE			IT		
WELL OR BORING NUMBER:	2043			2043			2043			2043			2043		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-SEP-89			13-SEP-89			13-SEP-89			13-SEP-89			13-SEP-89		
NORTH COORDINATE:	481760.81			481760.81			481760.81			481760.81			481760.81		
EAST COORDINATE:	1377051.97			1377051.97			1377051.97			1377051.97			1377051.97		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			DL-UNF			NONE-UNF			NONE-UNF			DL-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
HERBICIDES															
2,4,5-T							.1 UG/L		U						
2,4,5-TP (SILVEX)							.1 UG/L		U						
2,4-D							.2 UG/L		U						
MISC															
1,2,4,5-TETRACHLOROBENZENE							10 UG/L		R						
1,3,5-TRINITROBENZENE							10 UG/L		R						
1,3-DINITROBENZENE							10 UG/L		R						
1,4-NAPHTHOQUINONE							10 UG/L		R						
1-NAPHTHYLAMINE							120 UG/L		R						
2,3,4,6-TETRACHLOROPHENOL							10 UG/L		R						
2,6-DICHLOROPHENOL							10 UG/L		R						
2-ACETYLAMINOFLUORENE							10 UG/L		R						
2-NAPHTHYLAMINE							170 UG/L		R						
2-PICOLINE							70 UG/L		R						
3,3'-DIMETHYLBENZIDINE							80 UG/L		R						
3-METHYLCHOLANTHRENE							30 UG/L		R						
3-METHYLPHENOL							10 UG/L		R						
4-AMINOBIPHENYL							50 UG/L		R						
4-NITROQUINOLINE-1-OXIDE							10 UG/L		R						
5-NITRO-O-TOLUIDINE							20 UG/L		R						
7,12-DIMETHYLBENZ(A)ANTHRAC ENE							20 UG/L		R						
A,A-DIMETHYLPHENETHYLAMINE							10 UG/L		R						
ACETOPHENONE							10 UG/L		R						
ANILINE							10 UG/L		R						

SAMPLE NUMBER:	066585			066585			066585			066587			066587		
LAB:	IT-SAN JOSE			IT			IT			IT-SAN JOSE			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-UNF			NONE-UNF			NONE-UNF			DL-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
ARAMITE							10 UG/L		R						
DIALLATE							10 UG/L		R						
DINOSEB							20 UG/L		R						
DIPHENYLAMINE							10 UG/L		R						
ETHYL METHANESULFONATE							10 UG/L		R						
HEXACHLOROPHENE							500 UG/L		R						
HEXACHLOROPROPENE							20 UG/L		R						
ISODRIN				1 UG/L		U							.25 UG/L		U
ISOSAFROLE							10 UG/L		R						
KEPONE				2 UG/L		U							.5 UG/L		U
METHAPYRILENE							40 UG/L		R						
METHYL METHANESULFONATE							10 UG/L		R						
N-NITROSODI-N-BUTYLAMINE							20 UG/L		R						
N-NITROSODIETHYLAMINE							10 UG/L		R						
N-NITROSOMETHYLETHYLAMINE							10 UG/L		R						
N-NITROSOMORPHOLINE							10 UG/L		R						
N-NITROSOPIPERIDINE							10 UG/L		R						
N-NITROSOPYRROLIDINE							10 UG/L		R						
O-TOLUIDINE							10 UG/L		R						
P-DIMETHYLAMINOAZOBENZENE							30 UG/L		R						
P-PHENYLENEDIAMINE							50 UG/L		R						
PENTACHLOROBENZENE							20 UG/L		R						
PENTACHLOROETHANE							20 UG/L		R						
PENTACHLORONITROBENZENE							20 UG/L		R						
PHENACETIN							10 UG/L		R						
PRONAMIDE							30 UG/L		R						
SAFROLE							10 UG/L		R						
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE	1 UG/L		U							1 UG/L		U			
DISULFOTON	1 UG/L		U							1 UG/L		U			
FAMPHUR	1 UG/L		U							1 UG/L		U			
METHYL PARATHION	.05 UG/L		U							.05 UG/L		U			
PARATHION	.05 UG/L		U							.05 UG/L		U			
PHORATE	1 UG/L		U							1 UG/L		U			
THIONAZIN	1 UG/L		U							1 UG/L		U			
PESTICIDES															
4,4'-DDD				2 UG/L		U							.5 UG/L		U
4,4'-DDE				2 UG/L		U							.5 UG/L		U

SAMPLE NUMBER:	066585			066585			066585			066587			066587		
LAB:	IT-SAN JOSE			IT			IT			IT-SAN JOSE			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-UNF			NONE-UNF			NONE-UNF			DL-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDT				2 UG/L		U							.5 UG/L		U
ALDRIN				1 UG/L		U							.25 UG/L		U
ALPHA-BHC				1 UG/L		U							.25 UG/L		U
ALPHA-CHLORDANE				10 UG/L		U							2.5 UG/L		U
AROCLOR-1016				10 UG/L		U							2.5 UG/L		U
AROCLOR-1221				10 UG/L		U							2.5 UG/L		U
AROCLOR-1232				10 UG/L		U							2.5 UG/L		U
AROCLOR-1242				10 UG/L		U							2.5 UG/L		U
AROCLOR-1248				10 UG/L		U							2.5 UG/L		U
AROCLOR-1254				20 UG/L		U							5 UG/L		U
AROCLOR-1260				20 UG/L		U							5 UG/L		U
BETA-BHC				1 UG/L		U							.25 UG/L		U
DELTA-BHC				1 UG/L		U							.25 UG/L		U
DIELDRIN				2 UG/L		U							.5 UG/L		U
ENDOSULFAN II				2 UG/L		U							.5 UG/L		U
ENDOSULFAN SULFATE				2 UG/L		U							.5 UG/L		U
ENDOSULFAN-I				1 UG/L		U							.25 UG/L		U
ENDRIN				2 UG/L		U							.5 UG/L		U
ENDRIN KETONE				2 UG/L		U							.5 UG/L		U
GAMMA-BHC (LINDANE)				1 UG/L		U							.25 UG/L		U
GAMMA-CHLORDANE				10 UG/L		U							2.5 UG/L		U
HEPTACHLOR				1 UG/L		U							.25 UG/L		U
HEPTACHLOR EPOXIDE				1 UG/L		U							.25 UG/L		U
METHOXYCHLOR				10 UG/L		U							2.5 UG/L		U
SULFOTEP	1 UG/L		U							1 UG/L		U			
TOXAPHENE				20 UG/L		U							5 UG/L		U
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U						
1,2-DICHLOROBENZENE							10 UG/L		U						
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							50 UG/L		U						
2,4,6-TRICHLOROPHENOL							10 UG/L		U						
2,4-DICHLOROPHENOL							10 UG/L		U						
2,4-DIMETHYLPHENOL							10 UG/L		U						
2,4-DINITROPHENOL							50 UG/L		U						
2,4-DINITROTOLUENE							10 UG/L		U						
2,6-DINITROTOLUENE							10 UG/L		U						
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		U						

SAMPLE NUMBER:	066585			066585			066585			066587			066587		
LAB:	IT-SAN JOSE			IT			IT			IT-SAN JOSE			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-UNF			NONE-UNF			NONE-UNF			DL-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		U						
2-NITROANILINE							50 UG/L		U						
2-NITROPHENOL							10 UG/L		U						
3,3'-DICHLOROBENZIDINE							20 UG/L		U						
3-NITROANILINE							50 UG/L		UJ						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		U						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		U						
4-NITROANILINE							50 UG/L		UJ						
4-NITROPHENOL							50 UG/L		U						
ACENAPHTHENE							10 UG/L		U						
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		U						
BENZO(B)FLUORANTHENE							10 UG/L		U						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U						
BIS(2-ETHYLHEXYL)PHTHALATE							2 UG/L		J						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						
DI-N-OCTYL PHTHALATE							10 UG/L		U						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U						
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						

SAMPLE NUMBER:	066585			066585			066585			066587			066587		
LAB:	IT-SAN JOSE			IT			IT			IT-SAN JOSE			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-UNF			NONE-UNF			NONE-UNF			DL-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIMETHYLAMINE							10 UG/L		R						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		U						
NITROBENZENE							10 UG/L		U						
O,O,O-TRIETHYLPHOSPHOROTHIOATE							10 UG/L		R						
P-CHLOROANILINE							10 UG/L		UJ						
PENTACHLOROPHENOL							50 UG/L		U						
PHENANTHRENE							10 UG/L		U						
PHENOL							2 UG/L		J						
PYRENE							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066587	066682	066683	066683	066588
TASK:	9.25	9.27	9.27	9.27	9.25
LAB:	IT	IT	WMCO	WMCO	IT
WELL OR BORING NUMBER:	2043	2043	2043	2043	2043
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-SEP-89	14-NOV-89	14-NOV-89	14-NOV-89	14-SEP-89
NORTH COORDINATE:	481760.81	481760.81	481760.81	481760.81	481760.81
EAST COORDINATE:	1377051.97	1377051.97	1377051.97	1377051.97	1377051.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	F-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
PHENOLS										.005 MG/L		UNV			
TOTAL ORGANIC CARBON										3 MG/L		NV			
HERBICIDES															
2,4,5-T	.1 UG/L		U										5 UG/L		U
2,4,5-TP (SILVEX)	.1 UG/L		U										.025 UG/L		U
2,4-D	.2 UG/L		U										.05 UG/L		U
INORGANICS															
ALUMINUM							.05 MG/L		UNV	.266 MG/L		NV			
ARSENIC							.0025 MG/L		UNV	.0025 MG/L		UNV			
BARIUM							.283 MG/L		NV	.292 MG/L		NV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CALCIUM							96.7 MG/L		NV	104 MG/L		NV			
CHROMIUM							.005 MG/L		UNV	.011 MG/L		NV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.033 MG/L		NV			
IRON							.548 MG/L		NV	1.72 MG/L		NV			
LEAD							.005 MG/L		UNV	.007 MG/L		NV			
MAGNESIUM							34.2 MG/L		NV	37.2 MG/L		NV			
MANGANESE							.205 MG/L		NV	.252 MG/L		NV			
NICKEL							.005 MG/L		UNV	.005 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							38.9 MG/L		NV	38.2 MG/L		NV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			

SAMPLE NUMBER:	066587			066682			066683			066683			066588		
LAB:	IT			IT			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ZINC							.02 MG/L		UNV	.081 MG/L		NV			
MISC															
1,2,4,5-TETRACHLOROBENZENE	10 UG/L		R										10 UG/L		U
1,3,5-TRINITROBENZENE	10 UG/L		R										10 UG/L		U
1,3-DINITROBENZENE	10 UG/L		R										10 UG/L		U
1,4-NAPHTHOQUINONE	10 UG/L		R										10 UG/L		U
1-NAPHTHYLAMINE	120 UG/L		R										120 UG/L		UJ
2,3,4,6-TETRACHLOROPHENOL	10 UG/L		R										10 UG/L		U
2,6-DICHLOROPHENOL	10 UG/L		R										10 UG/L		U
2-ACETYLAMINOFLUORENE	10 UG/L		R										10 UG/L		U
2-NAPHTHYLAMINE	170 UG/L		R										170 UG/L		UJ
2-PICOLINE	70 UG/L		R										70 UG/L		U
3,3'-DIMETHYLBENZIDINE	80 UG/L		R										80 UG/L		U
3-METHYLCHOLANTHRENE	30 UG/L		R										30 UG/L		U
3-METHYLPHENOL	10 UG/L		R										10 UG/L		U
4-AMINOBIPHENYL	50 UG/L		R										50 UG/L		UJ
4-NITROQUINOLINE-1-OXIDE	10 UG/L		R										10 UG/L		UJ
5-NITRO-O-TOLUIDINE	20 UG/L		R										20 UG/L		U
7,12-DIMETHYLBENZ(A)ANTHRAC ENE	20 UG/L		R										20 UG/L		U
A,A-DIMETHYLPHENETHYLAMINE	10 UG/L		R										10 UG/L		U
ACETOPHENONE	10 UG/L		R										10 UG/L		U
ANILINE	10 UG/L		R										10 UG/L		U
ARAMITE	10 UG/L		R										10 UG/L		U
DIALLATE	10 UG/L		R										10 UG/L		UJ
DINOSEB	20 UG/L		R										20 UG/L		U
DIPHENYLAMINE	10 UG/L		R										10 UG/L		U
ETHYL METHACRYLATE													20 UG/L		U
ETHYL METHANESULFONATE	10 UG/L		R										10 UG/L		U
HEXACHLOROPHENE	500 UG/L		R										500 UG/L		R
HEXACHLOROPROPENE	20 UG/L		R										20 UG/L		U
ISODRIN													.05 UG/L		UNV
ISOSAFROLE	10 UG/L		R										10 UG/L		U
KEPONE													.1 UG/L		UNV
METHAPYRILENE	40 UG/L		R										40 UG/L		U
METHYL METHANESULFONATE	10 UG/L		R										10 UG/L		U
N-NITROSODI-N-BUTYLAMINE	20 UG/L		R										20 UG/L		U
N-NITROSODIETHYLAMINE	10 UG/L		R										10 UG/L		U
N-NITROSOMETHYLETHYLAMINE	10 UG/L		R										10 UG/L		U
N-NITROSOMORPHOLINE	10 UG/L		R										10 UG/L		U

SAMPLE NUMBER:	066587			066682			066683			066683			066588		
LAB:	IT			IT			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
N-NITROSOPIPERIDINE	10 UG/L		R										10 UG/L		U
N-NITROSOPYRROLIDINE	10 UG/L		R										10 UG/L		U
O-TOLUIDINE	10 UG/L		R										10 UG/L		UJ
P-DIMETHYLAMINOAZOBENZENE	30 UG/L		R										30 UG/L		U
P-PHENYLENEDIAMINE	50 UG/L		R										50 UG/L		UJ
PENTACHLOROBENZENE	20 UG/L		R										20 UG/L		U
PENTACHLOROETHANE	20 UG/L		R										20 UG/L		U
PENTACHLORONITROBENZENE	20 UG/L		R										20 UG/L		U
PHENACETIN	10 UG/L		R										10 UG/L		U
PRONAMIDE	30 UG/L		R										30 UG/L		U
SAFROLE	10 UG/L		R										10 UG/L		U
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE													1000 UG/L		U
DISULFOTON													1000 UG/L		U
FAMPHUR													1000 UG/L		U
METHYL PARATHION													50 UG/L		U
PARATHION													50 UG/L		U
PHORATE													1000 UG/L		U
THIONAZIN													1000 UG/L		U
PESTICIDES															
4,4'-DDD													.1 UG/L		U
4,4'-DDE													.1 UG/L		U
4,4'-DDT													.1 UG/L		U
ALDRIN													.05 UG/L		U
ALPHA-BHC													.05 UG/L		U
ALPHA-CHLORDANE													.5 UG/L		U
AROCLOR-1016													.5 UG/L		U
AROCLOR-1221													.5 UG/L		U
AROCLOR-1232													.5 UG/L		U
AROCLOR-1242													.5 UG/L		U
AROCLOR-1248													.5 UG/L		U
AROCLOR-1254													1 UG/L		U
AROCLOR-1260													1 UG/L		U
BETA-BHC													.05 UG/L		U
DELTA-BHC													.05 UG/L		U
DIELDRIN													.1 UG/L		U
ENDOSULFAN II													.1 UG/L		U
ENDOSULFAN SULFATE													.1 UG/L		U

SAMPLE NUMBER:	066587			066682			066683			066683			066588		
LAB:	IT			IT			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDOSULFAN-I													.05 UG/L		U
ENDRIN													.1 UG/L		U
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.05 UG/L		U
GAMMA-CHLORDANE													.5 UG/L		U
HEPTACHLOR													.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
SULFOTEP													1000 UG/L		U
TOXAPHENE													1 UG/L		U
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U									
URANIUM, TOTAL				1 UG/L		U									
URANIUM-234				1 PCI/L		U									
THORIUM-230				1 PCI/L		U									
URANIUM-235/236				1 PCI/L		U									
THORIUM-228				1 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,3-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,4-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
2,4,5-TRICHLOROPHENOL	50 UG/L		U										50 UG/L		U
2,4,6-TRICHLOROPHENOL	10 UG/L		U										10 UG/L		U
2,4-DICHLOROPHENOL	10 UG/L		U										10 UG/L		U
2,4-DIMETHYLPHENOL	10 UG/L		U										10 UG/L		U
2,4-DINITROPHENOL	50 UG/L		U										50 UG/L		U
2,4-DINITROTOLUENE	10 UG/L		U										10 UG/L		U
2,6-DINITROTOLUENE	10 UG/L		U										10 UG/L		U
2-CHLORONAPHTHALENE	10 UG/L		U										10 UG/L		U
2-CHLOROPHENOL	10 UG/L		U										10 UG/L		U
2-METHYLNAPHTHALENE	10 UG/L		U										10 UG/L		U
2-METHYLPHENOL	10 UG/L		U										10 UG/L		U
2-NITROANILINE	50 UG/L		U										50 UG/L		U
2-NITROPHENOL	10 UG/L		U										10 UG/L		U
3,3'-DICHLOROBENZIDINE	20 UG/L		U										20 UG/L		U
3-NITROANILINE	50 UG/L		UJ										50 UG/L		UJ

SAMPLE NUMBER:	066587			066682			066683			066683			066588		
LAB:	IT			IT			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		U										50 UG/L		U
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U										10 UG/L		U
4-CHLORO-3-METHYLPHENOL	10 UG/L		U										10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U										10 UG/L		U
4-METHYLPHENOL	10 UG/L		U										10 UG/L		U
4-NITROANILINE	50 UG/L		UJ										50 UG/L		UJ
4-NITROPHENOL	50 UG/L		U										50 UG/L		U
ACENAPHTHENE	10 UG/L		U										10 UG/L		U
ACENAPHTHYLENE	10 UG/L		U										10 UG/L		U
ANTHRACENE	10 UG/L		U										10 UG/L		U
BENZO(A)ANTHRACENE	10 UG/L		U										10 UG/L		U
BENZO(A)PYRENE	10 UG/L		U										10 UG/L		U
BENZO(B)FLUORANTHENE	10 UG/L		U										10 UG/L		U
BENZO(G,H,I)PERYLENE	10 UG/L		U										10 UG/L		U
BENZO(K)FLUORANTHENE	10 UG/L		U										10 UG/L		U
BENZOIC ACID	50 UG/L		U										50 UG/L		U
BENZYL ALCOHOL	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U										10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE	3 UG/L		U										10 UG/L		U
BUTYL BENZYL PHTHALATE	10 UG/L		U										10 UG/L		U
CHRYSENE	10 UG/L		U										10 UG/L		U
DI-N-BUTYL PHTHALATE	10 UG/L		U										10 UG/L		U
DI-N-OCTYL PHTHALATE	10 UG/L		U										10 UG/L		U
DIBENZO(A,H)ANTHRACENE	10 UG/L		U										10 UG/L		U
DIBENZOFURAN	10 UG/L		U										10 UG/L		U
DIETHYL PHTHALATE	10 UG/L		U										10 UG/L		U
DIMETHYL PHTHALATE	10 UG/L		U										10 UG/L		U
FLUORANTHENE	10 UG/L		U										10 UG/L		U
FLUORENE	10 UG/L		U										10 UG/L		U
HEXACHLOROBENZENE	10 UG/L		U										10 UG/L		U
HEXACHLOROBUTADIENE	10 UG/L		U										10 UG/L		U
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U										10 UG/L		U
HEXACHLOROETHANE	10 UG/L		U										10 UG/L		U
INDENO(1,2,3-CD)PYRENE	10 UG/L		U										10 UG/L		U
ISOPHORONE	10 UG/L		U										10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U										10 UG/L		U
N-NITROSODIMETHYLAMINE	10 UG/L		R										10 UG/L		U
N-NITROSODIPHENYLAMINE	10 UG/L		U										10 UG/L		U
NAPHTHALENE	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	066587			066682			066683			066683			066588		
LAB:	IT			IT			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
NITROBENZENE	10 UG/L		U										10 UG/L		U
O,O,O-TRIETHYLPHOSPHOROTHIOATE	10 UG/L		R										10 UG/L		U
P-CHLOROANILINE	10 UG/L		UJ										10 UG/L		UJ
PENTACHLOROPHENOL	50 UG/L		U										50 UG/L		U
PHENANTHRENE	10 UG/L		U										10 UG/L		U
PHENOL	10 UG/L		U							.005 MG/L		UNV	10 UG/L		U
PYRENE	10 UG/L		U										10 UG/L		U
VOLATILES															
1,1-DICHLOROETHANE										2.5 UG/L		UNV			
1,2-DICHLOROETHANE										2.5 UG/L		UNV			
ACETONE										2.5 UG/L		UNV			
METHYLENE CHLORIDE										2.5 UG/L		UNV			
TETRACHLOROETHENE										2.5 UG/L		UNV			
TOLUENE										2.5 UG/L		UNV			
TRICHLOROETHENE										2.5 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_528	EMGW_SYSGEN_528	EMGW_SYSGEN_528	EMGW_SYSGEN_523	EMGW_SYSGEN_523
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	NET	WMCO	IT	NET
WELL OR BORING NUMBER:	2043	2043	2043	2043	2043
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-JUL-91	16-JUL-91	16-JUL-91	17-MAY-90	17-MAY-90
NORTH COORDINATE:	481760.81	481760.81	481760.81	481760.81	481760.81
EAST COORDINATE:	1377051.97	1377051.97	1377051.97	1377051.97	1377051.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				354 MG/L		NV									
AMMONIA				1.56 MG/L		NV									
CHLORIDE				29 MG/L		NV									
FLUORIDE				.51 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PH				7.24 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.13 MG/L		NV									
SPECIFIC CONDUCTIVITY				1010 UMHOS/CM		NV									
SULFATE				217 MG/L		NV									
TOTAL DISSOLVED SOLIDS				676 MG/L		NV									
TOTAL ORGANIC CARBON				9 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	.2 MG/L		UNV							.05 MG/L		UNV
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV							.025 MG/L		UNV
ARSENIC	.005 MG/L		UNV	.005 MG/L		UNV							.0025 MG/L		UNV
BARIUM	.26 MG/L		NV	.24 MG/L		NV							.227 MG/L		NV
BERYLLIUM	.05 MG/L		UNV	.05 MG/L		UNV							.01 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV							.001 MG/L		UNV
CALCIUM	117 MG/L		NV	110 MG/L		NV							99.7 MG/L		NV
CHROMIUM				.002 MG/L		UNV									
COBALT	.005 MG/L		UNV	.005 MG/L		UNV							.025 MG/L		UNV
COPPER	.02 MG/L		UNV	.02 MG/L		UNV							.025 MG/L		UNV
CYANIDE				.005 MG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_528			EMGW_SYSGEN_528			EMGW_SYSGEN_528			EMGW_SYSGEN_523			EMGW_SYSGEN_523		
LAB:	NET			NET			WMCO			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	.63 MG/L		NV	.95 MG/L		NV							.055 MG/L		NV
LEAD	.005 MG/L		UNV	.005 MG/L		UNV							.005 MG/L		UNV
MAGNESIUM	28 MG/L		NV	41 MG/L		NV							25 MG/L		NV
MANGANESE	.387 MG/L		NV	.396 MG/L		NV							.215 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV							.0002 MG/L		UNV
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV							.025 MG/L		UNV
NICKEL	.01 MG/L		UNV	.01 MG/L		UNV							.019 MG/L		NV
POTASSIUM	1.5 MG/L		NV	1.6 MG/L		NV							1.62 MG/L		NV
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV							.0025 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV							.001 MG/L		UNV
SODIUM	23 MG/L		NV	26 MG/L		NV							34 MG/L		NV
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV							.05 MG/L		UNV
ZINC	.086 MG/L		NV	.115 MG/L		NV							.02 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238										.864 PCI/L		NV			
URANIUM, TOTAL							.8 UG/L		NV	2.64 UG/L		NV			
URANIUM-234										.68 PCI/L		NV			
THORIUM-230										1.83 PCI/L		NV			
RADIUM-226										2.49 PCI/L		NV			
URANIUM-235/236										.25 PCI/L		UNV			
THORIUM-232										1.5 PCI/L		UNV			
THORIUM, TOTAL										14 UG/L		UNV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										2.06 PCI/L		NV			
NEPTUNIUM-237										.5 PCI/L		UNV			
PLUTONIUM-239/240										.5 PCI/L		UNV			
PLUTONIUM-238										.5 PCI/L		UNV			
STRONTIUM-90										1 PCI/L		UNV			
TECHNETIUM-99										24 PCI/L		UNV			
RUTHENIUM-106										150 PCI/L		UNV			
CESIUM-137										11 PCI/L		UNV			
GROSS ALPHA										19 PCI/L		NV			
GROSS BETA										25 PCI/L		UNV			

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_528	EMGW_SYSGEN_528	EMGW_SYSGEN_528	EMGW_SYSGEN_523	EMGW_SYSGEN_523
LAB:	NET	NET	WMCO	IT	NET
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				3.9 UG/L		NV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_523	GW930118-12	GW930118-12	GW930118-12	GW930118-12
TASK:	GWMON	RCRA	RCRA	RCRA	RCRA
LAB:	NET	CORE	FERMCO Laboratory	NET	NET
WELL OR BORING NUMBER:	2043	2043	2043	2043	2043
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-MAY-90	18-JAN-93	18-JAN-93	18-JAN-93	18-JAN-93
NORTH COORDINATE:	481760.81	481760.81	481760.81	481760.81	481760.81
EAST COORDINATE:	1377051.97	1377051.97	1377051.97	1377051.97	1377051.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													422 MG/L		NV
ALLYL CHLORIDE													5 UG/L		UNV
AMMONIA													2.4 MG/L		NV
BICARBONATE ALKALINITY													506 MG/L		NV
CARBONATE ALKALINITY													3 MG/L		UNV
CHLORIDE	41 MG/L		NV										56 MG/L		NV
FLUORIDE	.53 MG/L		NV										.53 MG/L		NV
NITRATE	.02 MG/L		UNV										.02 MG/L		UNV
NITRATE, AS NITROGEN	.02 MG/L		UNV												
NITRITE, AS NITROGEN													.02 MG/L		UNV
PH	4 UG/L		UNV										7.26 SU		NV
PHENOLS	.005 MG/L		UNV										.005 MG/L		UNV
PHOSPHORUS													.15 MG/L		NV
SPECIFIC CONDUCTIVITY													1040 UMHOS/CM		NV
SULFATE	35 MG/L		NV										64 MG/L		NV
TOTAL DISSOLVED SOLIDS										545 MG/L		NV			
TOTAL ORGANIC CARBON	10 MG/L		NV										6 MG/L		NV
TOTAL ORGANIC HALIDES													.01 MG/L		UNV
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL SOLIDS													529 MG/L		NV
INORGANICS															
ALUMINUM	10.9 MG/L		NV							.2 MG/L		UNV	.2 MG/L		UNV
ANTIMONY	.025 MG/L		UNV							.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC	.01 MG/L		NV							.005 MG/L		UNV	.005 MG/L		UNV
BARIUM	.367 MG/L		NV							.28 MG/L		NV	.31 MG/L		NV

SAMPLE NUMBER:	EMGW_SYSGEN_523			GW930118-12			GW930118-12			GW930118-12			GW930118-12		
LAB:	NET			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM	.01 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM	.001 MG/L		UNV							.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	268 MG/L		NV							118 MG/L		NV	130 MG/L		NV
CHROMIUM	.005 MG/L		UNV							.002 MG/L		UNV	.002 MG/L		UNV
COBALT	.025 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
COPPER	.06 MG/L		NV							.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE	.005 MG/L		UNV										.005 MG/L		UNV
IRON	25.7 MG/L		NV							1.3 MG/L		NV	1.4 MG/L		NV
LEAD	.029 MG/L		NV							.003 MG/L		UNV	.003 MG/L		UNV
MAGNESIUM	76 MG/L		NV							33.5 MG/L		NV	39.1 MG/L		NV
MANGANESE	.715 MG/L		NV							.16 MG/L		NV	.159 MG/L		NV
MERCURY	.0002 MG/L		UNV							.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.025 MG/L		UNV							.01 MG/L		UNV	.01 MG/L		UNV
NICKEL	.1 MG/L		NV							.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM	2.92 MG/L		NV										1.6 MG/L		NV
SELENIUM	.0025 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
SILVER	.001 MG/L		UNV							.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	35.1 MG/L		NV										39 MG/L		NV
THALLIUM	.01 MG/L		UNV							.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV							.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.202 MG/L		NV							.02 MG/L		UNV	.022 MG/L		NV
MISC															
1,2,3-TRICHLOROPROPANE													5 UG/L		UNV
1,2-DIBROMO-3-CHLOROPROPANE													2 UG/L		UNV
1,2-DIBROMOETHANE													2 UG/L		UNV
2-CHLORO-1,3-BUTADIENE													5 UG/L		UNV
3-METHYLPHENOL	4 UG/L		UNV												
ACROLEIN													50 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACRYLONITRILE													50 UG/L		UNV
DICHLORODIFLUOROMETHANE													10 UG/L		UNV
DIPHENYLAMINE	15 UG/L		UNV												
ETHYL CYANIDE													20 UG/L		UNV
ETHYL METHACRYLATE													5 UG/L		UNV
IODOMETHANE													5 UG/L		UNV
METHACRYLONITRILE													5 UG/L		UNV
METHYL METHACRYLATE													5 UG/L		UNV
PENTACHLOROETHANE													5 UG/L		UNV

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SAMPLE NUMBER:	EMGW_SYSGEN_523			GW930118-12			GW930118-12			GW930118-12			GW930118-12		
LAB:	NET			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
TRANS-1,4-DICHLORO-2-BUTENE													20 UG/L		UNV
PESTICIDES															
4,4'-DDD	.2 UG/L		UNV												
4,4'-DDE	.2 UG/L		UNV												
4,4'-DDT	.2 UG/L		UNV												
ALDRIN	.2 UG/L		UNV												
ALPHA-BHC	.2 UG/L		UNV												
AROCLOR-1016	.2 UG/L		UNV												
AROCLOR-1221	.2 UG/L		UNV												
AROCLOR-1232	.2 UG/L		UNV												
AROCLOR-1242	.2 UG/L		UNV												
AROCLOR-1248	.2 UG/L		UNV												
AROCLOR-1254	.2 UG/L		UNV												
AROCLOR-1260	.2 UG/L		UNV												
BETA-BHC	.2 UG/L		UNV												
CHLORDANE	.2 UG/L		UNV												
DELTA-BHC	.2 UG/L		UNV												
DIELDRIN	.2 UG/L		UNV												
ENDOSULFAN II	.2 UG/L		UNV												
ENDOSULFAN SULFATE	.2 UG/L		UNV												
ENDOSULFAN-I	.2 UG/L		UNV												
ENDRIN	.08 UG/L		UNV												
ENDRIN ALDEHYDE	.2 UG/L		UNV												
GAMMA-BHC (LINDANE)	.2 UG/L		UNV												
HEPTACHLOR	.2 UG/L		UNV												
HEPTACHLOR EPOXIDE	.2 UG/L		UNV												
TOXAPHENE	.5 UG/L		UNV												
RADIONUCLIDES															
URANIUM, TOTAL				.5 UG/L		UNV	.1 UG/L		UNV						
THORIUM-230				.4 PCI/L	.1	NV									
RADIUM-226				1.6 PCI/L	.5	NV									
THORIUM-232				.2 PCI/L	.1	UNV									
THORIUM, TOTAL				.7 UG/L		UNV									
RADIUM-228				3 PCI/L	1.3	UNV									
THORIUM-228				.2 PCI/L	.1	UNV									
GROSS ALPHA				.5 PCI/L	1.9	NV									
GROSS BETA				.3 PCI/L	2.1	UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_523			GW930118-12			GW930118-12			GW930118-12			GW930118-12		
LAB:	NET			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	4 UG/L		UNV												
1,3-DICHLOROBENZENE	4 UG/L		UNV												
1,4-DICHLOROBENZENE	4 UG/L		UNV												
2,4,5-TRICHLOROPHENOL	4 UG/L		UNV												
2,4,6-TRICHLOROPHENOL	4 UG/L		UNV												
2,4-DICHLOROPHENOL	4 UG/L		UNV												
2,4-DIMETHYLPHENOL	4 UG/L		UNV												
2,4-DINITROPHENOL	4 UG/L		UNV												
2,4-DINITROTOLUENE	15 UG/L		UNV												
2,6-DINITROTOLUENE	15 UG/L		UNV												
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
2-CHLORONAPHTHALENE	4 UG/L		UNV												
2-CHLOROPHENOL	4 UG/L		UNV												
2-METHYLPHENOL	4 UG/L		UNV												
2-NITROANILINE	15 UG/L		UNV												
2-NITROPHENOL	4 UG/L		UNV												
3,3'-DICHLOROBENZIDINE	15 UG/L		UNV												
3-NITROANILINE	15 UG/L		UNV												
4,6-DINITRO-2-METHYLPHENOL	4 UG/L		UNV												
4-BROMOPHENYL PHENYL ETHER	15 UG/L		UNV												
4-CHLORO-3-METHYLPHENOL	4 UG/L		UNV												
4-CHLOROPHENYLPHENYL ETHER	15 UG/L		UNV												
4-NITROANILINE	15 UG/L		UNV												
4-NITROPHENOL	4 UG/L		UNV												
ACENAPHTHYLENE	4 UG/L		UNV												
ANTHRACENE	4 UG/L		UNV												
BENZO(A)ANTHRACENE	4 UG/L		UNV												
BENZO(A)PYRENE	4 UG/L		UNV												
BENZO(B)FLUORANTHENE	4 UG/L		UNV												
BENZO(G,H,I)PERYLENE	4 UG/L		UNV												
BENZO(K)FLUORANTHENE	4 UG/L		UNV												
BENZOIC ACID	4 UG/L		UNV												
BENZYL ALCOHOL	40 UG/L		UNV												
BIS(2-CHLOROETHOXY)METHANE	15 UG/L		UNV												
BIS(2-CHLOROETHYL)ETHER	15 UG/L		UNV												
BIS(2-CHLOROISOPROPYL) ETHER	15 UG/L		UNV												
BIS(2-ETHYLHEXYL)PHTHALATE	4 UG/L		UNV												
BUTYL BENZYL PHTHALATE	4 UG/L		UNV												
CHRYSENE	4 UG/L		UNV												
CUMENE													1 UG/L		UNV
DI-N-BUTYL PHTHALATE	4 UG/L		UNV												

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SAMPLE NUMBER:	EMGW_SYSGEN_523			GW930118-12			GW930118-12			GW930118-12			GW930118-12		
LAB:	NET			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIBENZO(A,H)ANTHRACENE	4 UG/L		UNV												
DIBENZOFURAN	4 UG/L		UNV												
DIETHYL PHTHALATE	4 UG/L		UNV												
DIMETHYL PHTHALATE	4 UG/L		UNV												
FLUORANTHENE	4 UG/L		UNV												
FLUORENE	4 UG/L		UNV												
HEXACHLOROBENZENE	4 UG/L		UNV												
HEXACHLOROBUTADIENE	4 UG/L		UNV												
HEXACHLOROCYCLOPENTADIENE	4 UG/L		UNV												
HEXACHLOROETHANE	4 UG/L		UNV												
INDENO(1,2,3-CD)PYRENE	4 UG/L		UNV												
ISOPHORONE	4 UG/L		UNV												
N-NITROSO-DI-N-PROPYLAMINE	4 UG/L		UNV												
N-NITROSODIPHENYLAMINE	4 UG/L		UNV												
NAPHTHALENE	4 UG/L		UNV												
NITROBENZENE	4 UG/L		UNV												
P-CHLOROANILINE	4 UG/L		UNV												
PENTACHLOROPHENOL	4 UG/L		UNV												
PHENANTHRENE	4 UG/L		UNV												
PHENOL	4 UG/L		UNV										.005 MG/L		UNV
PYRENE	4 UG/L		UNV												
PYRIDINE	4 UG/L		UNV												
VOLATILES															
1,1,1,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,1-TRICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1,2-TRICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1-DICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1-DICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV										1 UG/L		UNV
2-BUTANONE	2 UG/L		UNV										10 UG/L		UNV
2-HEXANONE	2 UG/L		UNV										10 UG/L		UNV
4-METHYL-2-PENTANONE	2 UG/L		UNV										10 UG/L		UNV
ACETONE	2 UG/L		UNV										10 UG/L		UNV
BENZENE	1 UG/L		UNV										1 UG/L		UNV
BROMODICHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
BROMOFORM	1 UG/L		UNV										1 UG/L		UNV
BROMOMETHANE	1 UG/L		UNV										5 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_523			GW930118-12			GW930118-12			GW930118-12			GW930118-12		
LAB:	NET			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON DISULFIDE	1 UG/L		UNV										1 UG/L		UNV
CARBON TETRACHLORIDE	1 UG/L		UNV										1 UG/L		UNV
CHLOROBENZENE	1 UG/L		UNV										1 UG/L		UNV
CHLOROETHANE													10 UG/L		UNV
CHLOROFORM	1 UG/L		UNV										1 UG/L		UNV
CHLOROMETHANE	1 UG/L		UNV										10 UG/L		UNV
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV										1 UG/L		UNV
DIBROMOCHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
ETHYLBENZENE	1 UG/L		UNV										1 UG/L		UNV
METHYLENE CHLORIDE	1 UG/L		UNV										10 UG/L		UNV
STYRENE	1 UG/L		UNV										1 UG/L		UNV
TETRACHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
TOLUENE	1 UG/L		UNV										1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV										1 UG/L		UNV
TRICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
TRICHLOROFLUOROMETHANE													1 UG/L		UNV
VINYL ACETATE	2 UG/L		UNV										10 UG/L		UNV
VINYL CHLORIDE	1 UG/L		UNV										5 UG/L		UNV
XYLENES, TOTAL	1 UG/L		UNV										1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_522	EMGW_SYSGEN_522	EMGW_SYSGEN_522	066438	066438
TASK:	GWMON	GWMON	GWMON	9.25	9.25
LAB:	IT	NET	NET	IT	IT
WELL OR BORING NUMBER:	2043	2043	2043	2043	2043
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-FEB-90	20-FEB-90	20-FEB-90	26-JUN-89	26-JUN-89
NORTH COORDINATE:	481760.81	481760.81	481760.81	481760.81	481760.81
EAST COORDINATE:	1377051.97	1377051.97	1377051.97	1377051.97	1377051.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE							44 MG/L		NV				2.75 MG/L		-
FLUORIDE							.72 MG/L		NV				.52 MG/L		-
NITRATE							.02 MG/L		UNV				.1 MG/L		R
NITRATE, AS NITROGEN							.02 MG/L		UNV						
PHENOLS							.005 MG/L		UNV						
SULFATE							26 MG/L		NV				16.1 MG/L		-
TOTAL ORGANIC CARBON							1 MG/L		NV				4.928 MG/L		U
TOTAL ORGANIC HALIDES													.324 MG/L		J
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.05 MG/L		UNV	.066 MG/L		NV	.116 MG/L		-			
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV						
BARIUM				.287 MG/L		NV	.289 MG/L		NV	.2509 MG/L		-			
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.001 MG/L		U			
CALCIUM				98.3 MG/L		NV	110 MG/L		NV	106 MG/L		-			
CHROMIUM							.005 MG/L		UNV	.0415 MG/L		-			
COBALT				.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		U			
COPPER				.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		U			
IRON				.451 MG/L		NV	.839 MG/L		NV	.873 MG/L		-			
LEAD				.005 MG/L		UNV	.008 MG/L		NV	.0026 MG/L		-			
MAGNESIUM				35.6 MG/L		NV	33.5 MG/L		NV	38.5 MG/L		-			
MANGANESE				.137 MG/L		NV	.144 MG/L		NV						
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV	.0212 MG/L		-			
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.0127 MG/L		-			
SODIUM				52.1 MG/L		NV	52.8 MG/L		NV						

SAMPLE NUMBER:	EMGW_SYSGEN_522			EMGW_SYSGEN_522			EMGW_SYSGEN_522			066438			066438		
LAB:	IT			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV	.0234 MG/L		-			
ZINC				.02 MG/L		UNV	.049 MG/L		NV	.0568 MG/L		-			
RADIONUCLIDES															
URANIUM-238	1 PCI/L		UNV										1 PCI/L		U
URANIUM, TOTAL	1.2 UG/L		NV										1 UG/L		U
URANIUM-234	1 PCI/L		UNV										1 PCI/L		U
THORIUM-230	1 PCI/L		UNV										1 PCI/L		U
URANIUM-235/236													1 PCI/L		U
THORIUM-228	1 PCI/L		UNV										1 PCI/L		U
TECHNETIUM-99	15 PCI/L		UNV										30 PCI/L		U
URANIUM-235	1 PCI/L		UNV										1 PCI/L		U
VOLATILES															
1,1-DICHLOROETHANE							1 UG/L		UNV				5 UG/L		U
1,2-DICHLOROETHANE							1 UG/L		UNV						
ACETONE							2 UG/L		UNV				10 UG/L		U
METHYLENE CHLORIDE							1 UG/L		UNV				8 UG/L		U
TETRACHLOROETHENE							1 UG/L		UNV				5 UG/L		U
TOLUENE							1 UG/L		UNV				5 UG/L		UJ
TRICHLOROETHENE							1 UG/L		UNV				5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_526	EMGW_SYSGEN_526	EMGW_SYSGEN_526	EMGW_SYSGEN_526	EMGW_SYSGEN_526D
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	IT	NET	NET	WMCO	IT
WELL OR BORING NUMBER:	2043	2043	2043	2043	2043
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-FEB-91	28-FEB-91	28-FEB-91	28-FEB-91	28-FEB-91
NORTH COORDINATE:	481760.81	481760.81	481760.81	481760.81	481760.81
EAST COORDINATE:	1377051.97	1377051.97	1377051.97	1377051.97	1377051.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					EMGW_SYSGEN_526
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							362 MG/L		NV						
AMMONIA							1.5 MG/L		NV						
CHLORIDE							44 MG/L		NV						
FLUORIDE							.45 MG/L		NV						
NITRATE, AS NITROGEN							.27 MG/L		NV						
PH							7.26 SU		NV						
PHENOLS							.005 MG/L		UNV						
PHOSPHORUS							3.75 MG/L		NV						
SPECIFIC CONDUCTIVITY							893 UMHOS/CM		NV						
SULFATE							114 MG/L		NV						
TOTAL DISSOLVED SOLIDS							550 MG/L		NV						
TOTAL ORGANIC CARBON							14 MG/L		NV						
TOTAL ORGANIC HALOGENS							.016 MG/L		NV						
INORGANICS															
ALUMINUM				.5 MG/L		UNV	.9 MG/L		NV						
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV						
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV						
BARIUM				.312 MG/L		NV	.472 MG/L		NV						
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV						
CALCIUM				84.3 MG/L		NV	122 MG/L		NV						
CHROMIUM							.04 MG/L		NV						
COBALT				.025 MG/L		UNV	.025 MG/L		UNV						
COPPER				.025 MG/L		UNV	.025 MG/L		UNV						
CYANIDE							.005 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_526			EMGW_SYSGEN_526			EMGW_SYSGEN_526			EMGW_SYSGEN_526			EMGW_SYSGEN_526D		
LAB:	IT			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				.114 MG/L		NV	33.6 MG/L		NV						
LEAD				.005 MG/L		UNV	.005 MG/L		UNV						
MAGNESIUM				39 MG/L		NV	40 MG/L		NV						
MANGANESE				.215 MG/L		NV	.504 MG/L		NV						
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV						
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV						
POTASSIUM				1 MG/L		UNV	1.16 MG/L		NV						
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM				28.2 MG/L		NV	27.5 MG/L		NV						
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC				.02 MG/L		UNV	.036 MG/L		NV						
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	.371 PCI/L		NV							.2655 PCI/L		NV	.438 PCI/L		NV
URANIUM, TOTAL	1.1 UG/L		NV							.8 UG/L		NV	1.05 UG/L		NV
URANIUM-234	.469 PCI/L		NV							.4498 PCI/L		NV	1.01 PCI/L		NV
THORIUM-230	.4 PCI/L		UNV										.37 PCI/L		UNV
RADIUM-226	2.76 PCI/L		NV										2.04 PCI/L		NV
URANIUM-235/236	.2 PCI/L		UNV										.2 PCI/L		UNV
THORIUM-232	.4 PCI/L		UNV										.37 PCI/L		UNV
THORIUM, TOTAL	3.8 UG/L		UNV										3.3 UG/L		UNV
RADIUM-228	3 PCI/L		UNV										3 PCI/L		UNV
THORIUM-228	.679 PCI/L		NV										.37 PCI/L		UNV
NEPTUNIUM-237	.5 PCI/L		UNV										.5 PCI/L		UNV
PLUTONIUM-239/240	.5 PCI/L		UNV										.5 PCI/L		UNV
PLUTONIUM-238	.5 PCI/L		UNV										.5 PCI/L		UNV
TECHNETIUM-99	18 PCI/L		UNV										18 PCI/L		UNV
RUTHENIUM-106	150 PCI/L		UNV										150 PCI/L		UNV
CESIUM-137	9.1 PCI/L		UNV										5.2 PCI/L		UNV
URANIUM-235	.2 PCI/L		UNV							.0213 PCI/L		NV	.2 PCI/L		UNV
URANIUM-236										.1087 PCI/L		NV			
SEMIVOLATILES															

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SAMPLE NUMBER:	EMGW_SYSGEN_526			EMGW_SYSGEN_526			EMGW_SYSGEN_526			EMGW_SYSGEN_526			EMGW_SYSGEN_526D		
LAB:	IT			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_526D			EMGW_SYSGEN_526D			066542			066547			066572		
TASK:	GWMON			GWMON			9.25			9.25			9.25		
LAB:	NET			NET			IT			IT			IT		
WELL OR BORING NUMBER:	2043			2043			2043			2043			2043		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	28-FEB-91			28-FEB-91			30-AUG-89			30-AUG-89			30-AUG-89		
NORTH COORDINATE:	481760.81			481760.81			481760.81			481760.81			481760.81		
EAST COORDINATE:	1377051.97			1377051.97			1377051.97			1377051.97			1377051.97		
QA TYPE:	DUPLICATE			DUPLICATE			NORMAL			DUPLICATE			NORMAL		
QC OF:	EMGW_SYSGEN_526			EMGW_SYSGEN_526						066542					
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				343 MG/L		NV									
AMMONIA				1.68 MG/L		NV									
CHLORIDE				38 MG/L		NV	51.2 MG/L		-	51 MG/L		-			
FLUORIDE				.4 MG/L		NV	.55 MG/L		-	.54 MG/L		-			
NITRATE				.21 MG/L		NV	.869 MG/L		J	.1 MG/L		R			
NITRATE, AS NITROGEN				.21 MG/L		NV									
PH				7.23 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				2.09 MG/L		NV									
SPECIFIC CONDUCTIVITY				884 UMHOS/CM		NV									
SULFATE				133 MG/L		NV	38.8 MG/L		-	20.7 MG/L		-			
TOTAL DISSOLVED SOLIDS				528 MG/L		NV									
TOTAL ORGANIC CARBON				7 MG/L		NV	2.13 MG/L		-	3.34 MG/L		-			
TOTAL ORGANIC HALIDES							.01 MG/L		U	.01 MG/L		U			
TOTAL ORGANIC HALOGENS				.017 MG/L		NV									
INORGANICS															
ALUMINUM	.5 MG/L		UNV	.92 MG/L		NV							.163 MG/L		-
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV							.03 MG/L		U
ARSENIC	.0025 MG/L		UNV	.0025 MG/L		UNV							.002 MG/L		U
BARIUM	.316 MG/L		NV	.437 MG/L		NV							.251 MG/L		-
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.0017 MG/L		-
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV							.0056 MG/L		-
CALCIUM	84.5 MG/L		NV	113 MG/L		NV							121 MG/L		-
CHROMIUM				.005 MG/L		UNV							.0303 MG/L		-
COBALT	.025 MG/L		UNV	.025 MG/L		UNV							.01 MG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_526D			EMGW_SYSGEN_526D			066542			066547			066572		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER	.025 MG/L		UNV	.025 MG/L		UNV							.01 MG/L		U
CYANIDE				.005 MG/L		UNV									
IRON	.099 MG/L		NV	26.8 MG/L		NV							.843 MG/L		-
LEAD	.005 MG/L		UNV	.005 MG/L		UNV							.002 MG/L		UJ
MAGNESIUM	39 MG/L		NV	40 MG/L		NV							41 MG/L		-
MANGANESE	.217 MG/L		NV	.45 MG/L		NV							.192 MG/L		-
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV							.0002 MG/L		U
MOLYBDENUM	.025 MG/L		UNV	.025 MG/L		UNV									
NICKEL	.005 MG/L		UNV	.055 MG/L		NV							.0262 MG/L		-
OSMIUM													.05 MG/L		U
POTASSIUM	1 MG/L		UNV	1.4 MG/L		NV							1.33 MG/L		-
SELENIUM	.0025 MG/L		UNV	.0025 MG/L		UNV							.002 MG/L		UJ
SILVER	.001 MG/L		UNV	.004 MG/L		NV							.0132 MG/L		-
SODIUM	30.2 MG/L		NV	27.6 MG/L		NV							35.3 MG/L		-
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.001 MG/L		U
TIN													.03 MG/L		U
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV							.0226 MG/L		-
ZINC	.02 MG/L		UNV	.026 MG/L		NV							.056 MG/L		J
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U	1 PCI/L		U			
URANIUM, TOTAL							1 UG/L		U	1 UG/L		U			
URANIUM-234							1 PCI/L		U	1 PCI/L		U			
THORIUM-230							1 PCI/L		U	1 PCI/L		U			
URANIUM-235/236							1 PCI/L		U	1 PCI/L		U			
THORIUM-228							1 PCI/L		U	1 PCI/L		U			
TECHNETIUM-99							36 PCI/L	16.5	J	30 PCI/L		UJ			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_526D			EMGW_SYSGEN_526D			066542			066547			066572		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066572	066577	066577	003879	003879
TASK:	9.25	9.25	9.25	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2043	2043	2043	2044	2044
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-AUG-89	30-AUG-89	30-AUG-89	02-FEB-89	02-FEB-89
NORTH COORDINATE:	481760.81	481760.81	481760.81	477783.56	477783.56
EAST COORDINATE:	1377051.97	1377051.97	1377051.97	1378156.8	1378156.8
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	NORMAL	NORMAL
QC OF:		066572	066572		
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,4-DIOXANE	1000 UG/L		UJ				1000 UG/L		UJ						
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	.39 NG/L		U				.27 NG/L		U						
HEXACHLORODIBENZO-P-DIOXINS	1.1 NG/L		U				1.8 NG/L		U						
HEXACHLORODIBENZOFURANS	.16 NG/L		U				.13 NG/L		U						
PENTACHLORODIBENZO-P-DIOXINS							1.3 NG/L		U						
PENTACHLORODIBENZOFURANS	.099 NG/L		U				.15 NG/L		U						
TETRACHLORODIBENZO-P-DIOXINS	.07 NG/L		U				.27 NG/L		U						
TETRACHLORODIBENZOFURANS	.23 NG/L		UJ				.19 NG/L		U						
GENERAL CHEMISTRY															
AMMONIA													.1 MG/L		U
FLUORIDE													.17 MG/L		-
NITRATE													.68 MG/L		J
PHENOLS													.01 MG/L		R
PHOSPHORUS													.64 MG/L		J
SULFATE													66.6 MG/L		-
SULFIDE	.5 MG/L		U				.5 MG/L		U						
TOTAL KJELDAHL NITROGEN													.472 MG/L		J
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC NITROGEN													.472 MG/L		-
INORGANICS															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066572			066577			066577			003879			003879		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
ALUMINUM				.182 MG/L		-									
INORGANICS															
ANTIMONY				.03 MG/L		U									
ARSENIC				.002 MG/L		U				.002 MG/L		U			
BARIUM				.229 MG/L		-				.054 MG/L		-			
BERYLLIUM				.0017 MG/L		-									
CADMIUM				.006 MG/L		-				.005 MG/L		-			
CALCIUM				114 MG/L		-				92.5 MG/L		-			
CHROMIUM				.0271 MG/L		-				.019 MG/L		-			
COBALT				.01 MG/L		U									
COPPER				.01 MG/L		U				.02 MG/L		-			
CYANIDE	.005 MG/L		U				.005 MG/L		U						
IRON				1.05 MG/L		-				.105 MG/L		-			
LEAD				.0031 MG/L		UJ				.008 MG/L		-			
MAGNESIUM				38.7 MG/L		-				25.3 MG/L		-			
MANGANESE				.376 MG/L		-				.03 MG/L		-			
MERCURY				.0002 MG/L		U				.0026 MG/L		UJ			
MOLYBDENUM										.02 MG/L		U			
NICKEL				.0232 MG/L		-				.02 MG/L		U			
OSMIUM				.05 MG/L		U									
POTASSIUM				1.42 MG/L		-				2.65 MG/L		-			
SELENIUM				.002 MG/L		UJ				.003 MG/L		J			
SILVER				.0125 MG/L		-				.0005 MG/L		U			
SODIUM				33.3 MG/L		-				13.7 MG/L		-			
THALLIUM				.001 MG/L		U									
TIN				.03 MG/L		U									
VANADIUM				.0205 MG/L		-									
ZINC				.0388 MG/L		J									
MISC															
1,2,3-TRICHLOROPROPANE	5 UG/L		U				5 UG/L		U						
1,2-DIBROMO-3-CHLOROPROPANE	10 UG/L		UJ				10 UG/L		UJ						
1,2-DIBROMOETHANE	5 UG/L		U				5 UG/L		U						
2-CHLORO-1,3-BUTADIENE	5 UG/L		R				5 UG/L		R						
3-CHLOROPROPENE	5 UG/L		UJ				5 UG/L		UJ						
ACETONITRILE	200 UG/L		UJ				200 UG/L		UJ						
ACROLEIN	10 UG/L		U				10 UG/L		U						
ACROLEIN	10 UG/L		U				10 UG/L		U						
ACROLEIN	10 UG/L		U				10 UG/L		U						
ACROLEIN	10 UG/L		U				10 UG/L		U						
ACRYLONITRILE	10 UG/L		UJ				10 UG/L		UJ						
DIBROMOMETHANE	10 UG/L		U				10 UG/L		U						

001165

SAMPLE NUMBER:	066572			066577			066577			003879			003879		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
DICHLORODIFLUOROMETHANE	200 UG/L		R				200 UG/L		R						
ETHYL CYANIDE	100 UG/L		R				100 UG/L		R						
ETHYL METHACRYLATE	10 UG/L		U				10 UG/L		U						
IODOMETHANE	5 UG/L		U				5 UG/L		U						
METHACRYLONITRILE	10 UG/L		UJ				10 UG/L		UJ						
METHYL METHACRYLATE	10 UG/L		U				10 UG/L		U						
TRANS-1,2-DICHLOROETHENE	5 UG/L		U				5 UG/L		U						
TRANS-1,4-DICHLORO-2-BUTENE	20 UG/L		U				20 UG/L		U						
RADIONUCLIDES															
URANIUM-238													1 PCI/L		U
URANIUM, TOTAL													1 UG/L	1	J
URANIUM-234													1 PCI/L		U
THORIUM-230													1 PCI/L		U
RADIUM-226													1 PCI/L		U
URANIUM-235/236													1 PCI/L		U
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													8 UG/L		U
RADIUM-228													3 PCI/L		UJ
THORIUM-228													1.2 PCI/L	.7	-
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
SEMIVOLATILES															
PYRIDINE	50000 UG/L		UJ				50000 UG/L		UJ						
VOLATILES															
1,1,1,2-TETRACHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,1,1-TRICHLOROETHANE	5 UG/L		UJ				5 UG/L		UJ						
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,1,2-TRICHLOROETHANE	5 UG/L		U				5 UG/L		U						
1,1-DICHLOROETHANE	5 UG/L		UJ				5 UG/L		UJ						
1,1-DICHLOROETHENE	5 UG/L		U				5 UG/L		U						
1,2-DICHLOROETHANE	5 UG/L		U				5 UG/L		U						

SAMPLE NUMBER:	066572			066577			066577			003879			003879		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE	5 UG/L		U				5 UG/L		U						
2-BUTANONE	10 UG/L		R				10 UG/L		R						
2-HEXANONE	10 UG/L		U				10 UG/L		U						
4-METHYL-2-PENTANONE	10 UG/L		U				10 UG/L		U						
ACETONE	10 UG/L		UJ				10 UG/L		UJ						
BENZENE	5 UG/L		UJ				5 UG/L		UJ						
BROMODICHLOROMETHANE	5 UG/L		U				5 UG/L		U						
BROMOFORM	5 UG/L		U				5 UG/L		U						
BROMOMETHANE	10 UG/L		U				10 UG/L		U						
CARBON DISULFIDE	5 UG/L		U				5 UG/L		U						
CARBON TETRACHLORIDE	5 UG/L		UJ				5 UG/L		UJ						
CHLOROBENZENE	5 UG/L		UJ				5 UG/L		UJ						
CHLOROETHANE	10 UG/L		U				10 UG/L		U						
CHLOROFORM	5 UG/L		U				5 UG/L		U						
CHLOROMETHANE	10 UG/L		UJ				10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE	5 UG/L		U				5 UG/L		U						
DIBROMOCHLOROMETHANE	5 UG/L		U				5 UG/L		U						
ETHYLBENZENE	5 UG/L		UJ				5 UG/L		UJ						
ISOBUTYL ALCOHOL	3000 UG/L		UJ				3000 UG/L		UJ						
METHYLENE CHLORIDE	5 UG/L		U				5 UG/L		U						
STYRENE	5 UG/L		UJ				5 UG/L		UJ						
TETRACHLOROETHENE	5 UG/L		U				5 UG/L		U						
TOLUENE	5 UG/L		UJ				5 UG/L		UJ						
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U				5 UG/L		U						
TRICHLOROETHENE	5 UG/L		U				5 UG/L		U						
TRICHLOROFLUOROMETHANE	5 UG/L		U				5 UG/L		U						
VINYL ACETATE	10 UG/L		U				10 UG/L		U						
VINYL CHLORIDE	10 UG/L		U				10 UG/L		U						
XYLENES, TOTAL	5 UG/L		UJ				5 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003393			003393			003682			003682			EMGW_SYSGEN_532		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			GWMON		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2044			2044			2044			2044			2044		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	03-AUG-88			03-AUG-88			03-NOV-88			03-NOV-88			11-JUN-90		
NORTH COORDINATE:	477783.56			477783.56			477783.56			477783.56			477783.56		
EAST COORDINATE:	1378156.8			1378156.8			1378156.8			1378156.8			1378156.8		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		UJ				.1 MG/L		U			
CHLORIDE				43 MG/L		J				38 MG/L		-			
FLUORIDE				.86 MG/L		J				.17 MG/L		J			
NITRATE				3.3 MG/L		J				.298 MG/L		J			
PHENOLS				.05 MG/L		U				.01 MG/L		UJ			
PHOSPHORUS				.02 MG/L		J				.024 MG/L		-			
SULFATE				65 MG/L		J				121 MG/L		-			
TOTAL KJELDAHL NITROGEN										.1 MG/L		U			
TOTAL ORGANIC HALIDES										.05 MG/L		U			
TOTAL ORGANIC NITROGEN				.1 MG/L		UJ				.1 MG/L		U			
INORGANICS															
ARSENIC	.01 MG/L		U				.002 MG/L		U						
BARIUM	.2 MG/L		U				.05 MG/L		-						
CADMIUM	.005 MG/L		U				.002 MG/L		U						
CALCIUM	93 MG/L		J				88.6 MG/L		-						
CHROMIUM	.01 MG/L		U				.02 MG/L		U						
COPPER	.03 MG/L		U				.01 MG/L		U						
IRON	.1 MG/L		U				.02 MG/L		U						
LEAD	.005 MG/L		U				.003 MG/L		J						
MAGNESIUM	23 MG/L		J				24.2 MG/L		-						
MANGANESE	.02 MG/L		U				.03 MG/L		-						
MERCURY	.0002 MG/L		U				.0002 MG/L		UJ						
MOLYBDENUM	.05 MG/L		U				.02 MG/L		U						
NICKEL	.04 MG/L		U				.02 MG/L		U						
POTASSIUM	5 MG/L		UJ				2.62 MG/L		-						

SAMPLE NUMBER:	003393			003393			003682			003682			EMGW_SYSGEN_532		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.005 MG/L		U				.002 MG/L		U						
SILVER	.01 MG/L		U				.01 MG/L		U						
SODIUM	19 MG/L		J				16.8 MG/L		-						
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				7.7 PCI/L	1.2	J	.731 PCI/L		NV
URANIUM, TOTAL				1 UG/L	1	-				33 UG/L	6	-	2.13 UG/L		NV
URANIUM-234				1 PCI/L		U				5.9 PCI/L	1	J	.731 PCI/L		NV
THORIUM-230				1 PCI/L		U				1 PCI/L		U	2.73 PCI/L		NV
RADIUM-226				1 PCI/L		U				2.3 PCI/L	.6	-	1 PCI/L		UNV
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U	.26 PCI/L		UNV
THORIUM-232				1 PCI/L		U				1 PCI/L		U	.599 PCI/L		NV
THORIUM, TOTAL				3 UG/L		U				2 UG/L		U	5.41 UG/L		NV
RADIUM-228				5.4 PCI/L	1.4	J				4 PCI/L	1.6	J	3 PCI/L		UNV
THORIUM-228				1 PCI/L		U				1 PCI/L		U	1.63 PCI/L		NV
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			
GROSS ALPHA													14 PCI/L		UNV
GROSS BETA													12 PCI/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_534	EMGW_SYSGEN_534	EMGW_SYSGEN_533	GW930514-6	GW930514-6
TASK:	GWMON	GWMON	GWMON	50.03.23	50.03.23
LAB:	IT	NET	NET	CORE	CORE
WELL OR BORING NUMBER:	2044	2044	2044	2044	2044
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-SEP-90	11-SEP-90	12-JUN-90	14-MAY-93	14-MAY-93
NORTH COORDINATE:	477783.56	477783.56	477783.56	477783.56	477783.56
EAST COORDINATE:	1378156.8	1378156.8	1378156.8	1378156.8	1378156.8
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				219 MG/L		NV									
CHLORIDE				37 MG/L		NV	32 MG/L		NV						
FLUORIDE				.35 MG/L		NV									
NITRATE, AS NITROGEN				1.47 MG/L		NV	2.23 MG/L		NV						
PH				7.29 SU		NV									
PHENOLS				.005 MG/L		UNV									
SPECIFIC CONDUCTIVITY				595 UMHOS/CM		NV									
SULFATE				69 MG/L		NV	57 MG/L		NV						
TOTAL DISSOLVED SOLIDS				480 MG/L		NV									
TOTAL ORGANIC CARBON				3 MG/L		NV	16 MG/L		NV						
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV	.01 MG/L		UNV						
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	1.09 PCI/L		NV							1.5 PCI/L	.5	J	1.8 PCI/L	.4	-
URANIUM, TOTAL	3.27 UG/L		NV							6.6 UG/L	.5	J	6.5 UG/L	.5	-
URANIUM-234	1.1 PCI/L		NV							1.7 PCI/L	.4	J	2.1 PCI/L	.5	-
THORIUM-230	.939 PCI/L		NV							.2 PCI/L	.3	UJ	.2 PCI/L	.1	U
RADIUM-226	1 PCI/L		UNV							1 PCI/L	.4	U	1 PCI/L	.2	UJ
URANIUM-235/236	.2 PCI/L		UNV							.2 PCI/L	.1	UJ	.2 PCI/L	.2	U
THORIUM-232	.469 PCI/L		NV							.2 PCI/L	.2	UJ	.5 PCI/L	.2	U
THORIUM, TOTAL	4.24 UG/L		NV												
RADIUM-228	3 PCI/L		UNV							3 PCI/L	1.2	U	3 PCI/L	1.1	U

SAMPLE NUMBER:	EMGW_SYSGEN_534			EMGW_SYSGEN_534			EMGW_SYSGEN_533			GW930514-6			GW930514-6		
LAB:	IT			NET			NET			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-228	.445 PCI/L		NV							.2 PCI/L	.5	UJ	.2 PCI/L	.1	U
GROSS ALPHA	20.5 PCI/L		NV							4 PCI/L	1.5	NV	6.7 PCI/L	2	NV
GROSS BETA	13.1 PCI/L		NV							2.8 PCI/L	1.9	UNV	1.8 PCI/L	2.2	UNV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				60 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV						
1,1,2-TRICHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV						
1,1-DICHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV						
1,1-DICHLOROETHENE				1 UG/L		UNV	1 UG/L		UNV						
1,2-DICHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV	1 UG/L		UNV						
1,2-DICHLOROPROPANE				1 UG/L		UNV	1 UG/L		UNV						
2-BUTANONE				2 UG/L		UNV	2 UG/L		UNV						
2-HEXANONE				2 UG/L		UNV	2 UG/L		UNV						
4-METHYL-2-PENTANONE				2 UG/L		UNV	2 UG/L		UNV						
ACETONE				2 UG/L		UNV	2 UG/L		UNV						
BENZENE				1 UG/L		UNV	1 UG/L		UNV						
BROMODICHLOROMETHANE				1 UG/L		UNV	1 UG/L		UNV						
BROMOFORM				1 UG/L		UNV	1 UG/L		UNV						
BROMOMETHANE				1 UG/L		UNV	1 UG/L		UNV						
CARBON DISULFIDE				1 UG/L		UNV	1 UG/L		UNV						
CARBON TETRACHLORIDE				1 UG/L		UNV	1 UG/L		UNV						
CHLOROBENZENE				1 UG/L		UNV	1 UG/L		UNV						
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV	1 UG/L		UNV						
CHLOROMETHANE				1 UG/L		UNV	1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV	1 UG/L		UNV						
DIBROMOCHLOROMETHANE				1 UG/L		UNV	1 UG/L		UNV						
ETHYLBENZENE				1 UG/L		UNV	1 UG/L		UNV						
METHYLENE CHLORIDE				1 UG/L		UNV	1 UG/L		UNV						
STYRENE				1 UG/L		UNV	1 UG/L		UNV						
TETRACHLOROETHENE				1 UG/L		UNV	1 UG/L		UNV						
TOLUENE				1 UG/L		UNV	1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV	1 UG/L		UNV						
TRICHLOROETHENE				1 UG/L		UNV	1 UG/L		UNV						
VINYL ACETATE				2 UG/L		UNV	2 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_534			EMGW_SYSGEN_534			EMGW_SYSGEN_533			GW930514-6			GW930514-6		
LAB:	IT			NET			NET			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE				1 UG/L		UNV	1 UG/L		UNV						
XYLENES, TOTAL				1 UG/L		UNV	1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930514-6	GW930514-6	GW930514-6	GW930514-6	004217
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.2.4
LAB:	FERMCO	FERMCO	NET	NET	IT
WELL OR BORING NUMBER:	2044	2044	2044	2044	2044
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-MAY-93	14-MAY-93	14-MAY-93	14-MAY-93	25-APR-90
NORTH COORDINATE:	477783.56	477783.56	477783.56	477783.56	477783.56
EAST COORDINATE:	1378156.8	1378156.8	1378156.8	1378156.8	1378156.8
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										232 MG/L		-			
AMMONIA										.02 MG/L		U			
BICARBONATE ALKALINITY										293 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										31 MG/L		-			
FLUORIDE										.24 MG/L		-			
NITRATE/NITRITE										1.6 MG/L		-			
PH										7.59 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.306 MG/L		U			
SPECIFIC CONDUCTIVITY										601 UMHOS/CM		-			
SULFATE										81 MG/L		J			
TOTAL DISSOLVED SOLIDS							365 MG/L		-						
TOTAL KJELDAHL NITROGEN										.1 MG/L		U			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALOGENS										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.1 MG/L		U			
TOTAL SOLIDS										382 MG/L		-			
INORGANICS															
ALUMINUM							.02 MG/L		U	.02 MG/L		U	.066 MG/L		-
ANTIMONY							.045 MG/L		UJ	.045 MG/L		U			
ARSENIC							.002 MG/L		U	.002 MG/L		U	.002 MG/L		U
BARIUM							.0418 MG/L		-	.0419 MG/L		-	.039 MG/L		-
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.003 MG/L		U	.003 MG/L		U	.004 MG/L		U

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SAMPLE NUMBER:	GW930514-6			GW930514-6			GW930514-6			GW930514-6			004217		
LAB:	FERMCO			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM							78.3 MG/L		-	84.9 MG/L		-	77.1 MG/L		-
CHROMIUM							.005 MG/L		U	.005 MG/L		U	.018 MG/L		-
COBALT							.008 MG/L		U	.008 MG/L		U			
COPPER							.0067 MG/L		U	.0036 MG/L		-	.013 MG/L		U
CYANIDE							.01 MG/L		UJ	.01 MG/L		UJ			
IRON							.015 MG/L		U	.015 MG/L		U	.013 MG/L		-
LEAD							.001 MG/L		-	.0026 MG/L		-	.002 MG/L		U
MAGNESIUM							21.3 MG/L		-	21.3 MG/L		-	20.3 MG/L		-
MANGANESE							.001 MG/L		U	.001 MG/L		U	.006 MG/L		-
MERCURY							.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM													.01 MG/L		U
NICKEL							.02 MG/L		U	.02 MG/L		U	.02 MG/L		U
POTASSIUM							1.93 MG/L		-	2.49 MG/L		-	2.65 MG/L		-
SELENIUM							.0014 MG/L		U	.0012 MG/L		-	.003 MG/L		U
SILICON													1.5 MG/L		-
SILVER							.007 MG/L		U	.007 MG/L		U	.01 MG/L		U
SODIUM							11.7 MG/L		-	10.8 MG/L		-	14.4 MG/L		-
THALLIUM							.002 MG/L		U	.002 MG/L		U			
VANADIUM							.003 MG/L		U	.003 MG/L		U	.011 MG/L		-
ZINC							.005 MG/L		U	.005 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL	4.7 UG/L		UNV	5.2 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		UJ			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			

SAMPLE NUMBER:	GW930514-6			GW930514-6			GW930514-6			GW930514-6			004217		
LAB:	FERMCO			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		UJ			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										1 UG/L		J			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004217	003125	003125	EMGW_SYSGEN_535	EMGW_SYSGEN_535
TASK:	3.2.4	3.2.4	3.2.4	GWMON	GWMON
LAB:	IT	IT	IT	NET	NET
WELL OR BORING NUMBER:	2044	2044	2044	2044	2044
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-APR-90	26-APR-88	26-APR-88	30-OCT-91	30-OCT-91
NORTH COORDINATE:	477783.56	477783.56	477783.56	477783.56	477783.56
EAST COORDINATE:	1378156.8	1378156.8	1378156.8	1378156.8	1378156.8
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													282 MG/L		NV
AMMONIA	.1 MG/L		-				.1 MG/L		U						
BICARBONATE													280 MG/L		NV
CARBONATE ALKALINITY													2 MG/L		NV
CHLORIDE	26 MG/L		J				40.4 MG/L		-				45 MG/L		NV
FLUORIDE	.2 MG/L		-				.37 MG/L		-						
NITRATE	2.8 MG/L		J				1.2 MG/L		-				2.33 MG/L		NV
NITRATE, AS NITROGEN													2.33 MG/L		NV
PH	.011 MG/L		-				.03 MG/L		-				7.27 SU		NV
PHENOLS	.011 MG/L		-				.03 MG/L		-						
PHOSPHORUS	.08 MG/L		-				.427 MG/L		-						
SPECIFIC CONDUCTIVITY													766 UMHOS/CM		NV
SULFATE	51.7 MG/L		-				80 MG/L		-				73 MG/L		NV
SULFIDE	.5 MG/L		UJ												
TOTAL DISSOLVED SOLIDS													423 MG/L		NV
TOTAL ORGANIC CARBON	1 MG/L		J										10 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN	.1 MG/L		U				.4 MG/L		-						
INORGANICS															
ALUMINUM										.2 MG/L		UNV			
ANTIMONY										.02 MG/L		UNV			
ARSENIC				.2 MG/L		U				.005 MG/L		UNV			
BARIUM				.054 MG/L		-				.2 MG/L		UNV			
BERYLLIUM										.005 MG/L		UNV			
CADMIUM				.005 MG/L		U				.001 MG/L		UNV			

SAMPLE NUMBER:	004217			003125			003125			EMGW_SYSGEN_535			EMGW_SYSGEN_535		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				87.9 MG/L		-				73.6 MG/L		NV			
CHROMIUM				.02 MG/L		U							.002 MG/L		UNV
COBALT										.005 MG/L		UNV			
COPPER				.01 MG/L		U				.02 MG/L		UNV			
IRON				.005 MG/L		U				.1 MG/L		UNV			
LEAD				.05 MG/L		U				.003 MG/L		UNV			
MAGNESIUM				24.3 MG/L		-				24.1 MG/L		NV			
MANGANESE				.032 MG/L		J				.015 MG/L		UNV			
MERCURY				.0015 MG/L		-				.0002 MG/L		UNV			
MOLYBDENUM				.02 MG/L		U				.01 MG/L		UNV			
NICKEL				.02 MG/L		U				.01 MG/L		UNV			
POTASSIUM				3.32 MG/L		-				3.2 MG/L		NV			
SELENIUM				.2 MG/L		U				.005 MG/L		UNV			
SILVER				.01 MG/L		U				.001 MG/L		UNV			
SODIUM				18 MG/L		-				25.9 MG/L		NV			
THALLIUM										.01 MG/L		UNV			
VANADIUM										.05 MG/L		UNV			
ZINC										.021 MG/L		NV			
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1 PCI/L		U						
URANIUM, TOTAL	1.39 UG/L	.15	J				2 UG/L	1	J						
URANIUM-234	1.29 PCI/L	.33	-				1 PCI/L		U						
THORIUM-230	1.47 PCI/L	.38	J				1 PCI/L		U						
RADIUM-226	1 PCI/L		R				1 PCI/L		U						
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U						
THORIUM-232	1 PCI/L		U				1 PCI/L		U						
THORIUM, TOTAL	2 UG/L		U												
RADIUM-228	3 PCI/L		UJ				3 PCI/L		U						
THORIUM-228	1 PCI/L		U				1 PCI/L		U						
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U						
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U						
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R						
CESIUM-137	20 PCI/L		R				20 PCI/L		R						

SAMPLE NUMBER:	004217			003125			003125			EMGW_SYSGEN_535			EMGW_SYSGEN_535		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_535	004218	004218	004266	004266
TASK:	GWMON	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	WMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	2044	2045	2045	2045	2045
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-OCT-91	01-APR-90	01-APR-90	01-APR-90	01-APR-90
NORTH COORDINATE:	477783.56	477129.91	477129.91	477129.91	477129.91
EAST COORDINATE:	1378156.8	1379760.54	1379760.54	1379760.54	1379760.54
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U				.1 MG/L		U
CHLORIDE							6.94 MG/L		-				7 MG/L		-
FLUORIDE							.33 MG/L		-				.32 MG/L		-
NITRATE							1.17 MG/L		J				1.32 MG/L		J
PHENOLS							.013 MG/L		-				.01 MG/L		U
PHOSPHORUS							.35 MG/L		-				.3 MG/L		-
SULFATE							58.5 MG/L		-				59.2 MG/L		-
SULFIDE							.5 MG/L		U				.5 MG/L		U
TOTAL ORGANIC CARBON							2.5 MG/L		J				2.45 MG/L		J
TOTAL ORGANIC HALIDES							.01 MG/L		UR				.01 MG/L		R
TOTAL ORGANIC NITROGEN							.24 MG/L		-				.22 MG/L		-
INORGANICS															
ALUMINUM				.163 MG/L		-				.16 MG/L		-			
ARSENIC				.002 MG/L		UJ				.002 MG/L		UJ			
BARIUM				.044 MG/L		-				.046 MG/L		-			
CADMIUM				.004 MG/L		-				.004 MG/L		-			
CALCIUM				118 MG/L		-				120 MG/L		-			
CHROMIUM				.037 MG/L		-				.035 MG/L		-			
COPPER				.01 MG/L		U				.01 MG/L		U			
IRON				.128 MG/L		U				.083 MG/L		U			
LEAD				.005 MG/L		U				.003 MG/L		U			
MAGNESIUM				28.6 MG/L		-				29.1 MG/L		-			
MANGANESE				.012 MG/L		-				.011 MG/L		-			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.01 MG/L		UJ				.01 MG/L		UJ			

SAMPLE NUMBER:	EMGW_SYSGEN_535			004218			004218			004266			004266		
LAB:	WMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.02 MG/L		U				.02 MG/L		U			
POTASSIUM				2.34 MG/L		-				2.37 MG/L		-			
SELENIUM				.004 MG/L		-				.002 MG/L		-			
SILICON				5.47 MG/L		-				5.53 MG/L		-			
SILVER				.013 MG/L		-				.013 MG/L		-			
SODIUM				7.3 MG/L		-				7.6 MG/L		-			
VANADIUM				.021 MG/L		-				.022 MG/L		-			
RADIONUCLIDES															
URANIUM-238							104 PCI/L	16	J				103 PCI/L	16	J
URANIUM, TOTAL	4 UG/L		NV				462 UG/L	61	-				461 UG/L	63	-
URANIUM-234							97 PCI/L	15	J				95.3 PCI/L	15	J
THORIUM-230							1 PCI/L		U				1 PCI/L		U
RADIUM-226							1 PCI/L		UJ				1.19 PCI/L	.26	J
URANIUM-235/236							3.56 PCI/L	1.22	J				4.55 PCI/L	1.36	J
THORIUM-232							1 PCI/L		U				1.05 PCI/L	.73	-
THORIUM, TOTAL							4.3 UG/L		U				9.47 UG/L	6.57	-
RADIUM-228							3 PCI/L		UJ				3 PCI/L		UJ
THORIUM-228							1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		U				1 PCI/L		U
STRONTIUM-90							5 PCI/L		UJ				5 PCI/L		R
TECHNETIUM-99							30 PCI/L		UJ				30 PCI/L		UJ
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004092	004092	004129	004129	EMGW_SYSGEN_538
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	GWMON
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2045	2045	2045	2045	2045
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-MAY-89	01-MAY-89	01-MAY-89	01-MAY-89	07-JUN-90
NORTH COORDINATE:	477129.91	477129.91	477129.91	477129.91	477129.91
EAST COORDINATE:	1379760.54	1379760.54	1379760.54	1379760.54	1379760.54
QA TYPE:	NORMAL	NORMAL	DUPLICATE	DUPLICATE	NORMAL
QC OF:			004092	004092	
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.1 MG/L		U			
CHLORIDE				23 MG/L		-				22.5 MG/L		-			
FLUORIDE				.37 MG/L		-				.34 MG/L		-			
NITRATE				2.19 MG/L		J				1.95 MG/L		J			
PHENOLS				.01 MG/L		U				.01 MG/L		U			
PHOSPHORUS				1.14 MG/L		-				.235 MG/L		-			
SULFATE				64.8 MG/L		J				45.3 MG/L		J			
TOTAL KJELDAHL NITROGEN				.6 MG/L		-				.59 MG/L		-			
TOTAL ORGANIC HALIDES				.01 MG/L		-				.01 MG/L		U			
TOTAL ORGANIC NITROGEN				.6 MG/L		J				.59 MG/L		J			
INORGANICS															
ARSENIC	.002 MG/L		U				.002 MG/L		U						
BARIUM	.0424 MG/L		-				.0424 MG/L		-						
CADMIUM	.0028 MG/L		-				.0036 MG/L		-						
CALCIUM	103 MG/L		-				102 MG/L		-						
CHROMIUM	.0153 MG/L		U				.0167 MG/L		U						
COPPER	.011 MG/L		-				.0106 MG/L		-						
IRON	.043 MG/L		U				.0279 MG/L		U						
LEAD	.002 MG/L		R				.0072 MG/L		UR						
MAGNESIUM	23.4 MG/L		-				23.2 MG/L		-						
MANGANESE	.008 MG/L		-				.0094 MG/L		-						
MERCURY	.0002 MG/L		U				.0002 MG/L		U						
MOLYBDENUM	.01 MG/L		U				.01 MG/L		U						
NICKEL	.02 MG/L		U				.02 MG/L		U						
POTASSIUM	2.16 MG/L		-				2.1 MG/L		-						

001181

6417

SAMPLE NUMBER:	004092			004092			004129			004129			EMGW_SYSGEN_538		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.002 MG/L		R				.002 MG/L		UR						
SILVER	.0005 MG/L		U				.0005 MG/L		U						
SODIUM	9.7 MG/L		-				9.65 MG/L		-						
RADIONUCLIDES															
URANIUM-238				85.5 PCI/L	12.1	-				87.5 PCI/L	13	-	110 PCI/L		NV
URANIUM, TOTAL				265 UG/L	42	-				291 UG/L	46	-	329 UG/L		NV
URANIUM-234				74.7 PCI/L	10.6	-				77.6 PCI/L	11.6	-	97.4 PCI/L		NV
THORIUM-230				1 PCI/L		U				1 PCI/L		U	5.56 PCI/L		NV
RADIUM-226				1 PCI/L		U				1 PCI/L		U	1 PCI/L		UNV
URANIUM-235/236				4.4 PCI/L	1.1	-				3.2 PCI/L	1	-	3.6 PCI/L		NV
THORIUM-232				1 PCI/L		U				1 PCI/L		U	3.86 PCI/L		NV
THORIUM, TOTAL				3 UG/L		U				5 UG/L		U	34.8 UG/L		NV
RADIUM-228				3 PCI/L		UJ				3 PCI/L		UJ	3 PCI/L		UNV
THORIUM-228				1 PCI/L		U				1 PCI/L		U	2.06 PCI/L		NV
NEPTUNIUM-237				1 PCI/L		UJ				1 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			
GROSS ALPHA													342 PCI/L		NV
GROSS BETA													157 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_538	EMGW_SYSGEN_539	EMGW_SYSGEN_539	EMGW_SYSGEN_541	EMGW_SYSGEN_541
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	IT	NET	IT	NET
WELL OR BORING NUMBER:	2045	2045	2045	2045	2045
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-JUN-90	10-SEP-90	10-SEP-90	20-MAR-91	20-MAR-91
NORTH COORDINATE:	477129.91	477129.91	477129.91	477129.91	477129.91
EAST COORDINATE:	1379760.54	1379760.54	1379760.54	1379760.54	1379760.54
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							300 MG/L		NV				321 MG/L		NV
AMMONIA													.02 MG/L		UNV
CHLORIDE	12 MG/L		NV				16 MG/L		NV				7 MG/L		NV
FLUORIDE							.39 MG/L		NV				.24 MG/L		NV
NITRATE, AS NITROGEN	1.46 MG/L		NV				2.18 MG/L		NV				.82 MG/L		NV
PH							7.08 SU		NV				7.27 SU		NV
PHENOLS							.005 MG/L		UNV				.005 MG/L		UNV
PHOSPHORUS													.21 MG/L		NV
SPECIFIC CONDUCTIVITY							650 UMHOS/CM		NV				682 UMHOS/CM		NV
SULFATE	46 MG/L		NV				69 MG/L		NV				79 MG/L		NV
TOTAL DISSOLVED SOLIDS							545 MG/L		NV				370 MG/L		NV
TOTAL ORGANIC CARBON	31 MG/L		NV				6 MG/L		NV				11 MG/L		NV
TOTAL ORGANIC HALOGENS	.021 MG/L		NV				.01 MG/L		UNV				.01 MG/L		UNV
INORGANICS															
ALUMINUM													.73 MG/L		NV
ANTIMONY													.025 MG/L		UNV
ARSENIC													.004 MG/L		NV
BARIUM													.2 MG/L		UNV
BERYLLIUM													.01 MG/L		UNV
CADMIUM													.001 MG/L		UNV
CALCIUM													89.9 MG/L		NV
CHROMIUM													.007 MG/L		NV
COBALT													.025 MG/L		UNV
COPPER													.048 MG/L		NV
CYANIDE													.005 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_538			EMGW_SYSGEN_539			EMGW_SYSGEN_539			EMGW_SYSGEN_541			EMGW_SYSGEN_541		
LAB:	NET			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON													4.87 MG/L		NV
LEAD													.006 MG/L		NV
MAGNESIUM													32 MG/L		NV
MANGANESE													.219 MG/L		NV
MERCURY													.0002 MG/L		UNV
MOLYBDENUM													.025 MG/L		UNV
NICKEL													.006 MG/L		NV
POTASSIUM													2.99 MG/L		NV
SELENIUM													.0025 MG/L		UNV
SILVER													.001 MG/L		UNV
SODIUM													8.2 MG/L		NV
THALLIUM													.01 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.047 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238				102 PCI/L		NV				86.9 PCI/L		NV			
URANIUM, TOTAL				305 UG/L		NV				260 UG/L		NV			
URANIUM-234				94.8 PCI/L		NV				78.2 PCI/L		NV			
THORIUM-230				.38 PCI/L		UNV				.251 PCI/L		NV			
RADIUM-226				1 PCI/L		UNV				1 PCI/L		UNV			
URANIUM-235/236				4.53 PCI/L		NV				4.72 PCI/L		NV			
THORIUM-232				.38 PCI/L		UNV				.21 PCI/L		UNV			
THORIUM, TOTAL				3.4 UG/L		UNV				1.9 UG/L		UNV			
RADIUM-228				3 PCI/L		UNV				3 PCI/L		UNV			
THORIUM-228				.38 PCI/L		UNV				1.66 PCI/L		NV			
NEPTUNIUM-237										.5 PCI/L		UNV			
PLUTONIUM-239/240										.5 PCI/L		UNV			
PLUTONIUM-238										.5 PCI/L		UNV			
STRONTIUM-90										1 PCI/L		UNV			
TECHNETIUM-99										17 PCI/L		UNV			
RUTHENIUM-106										150 PCI/L		UNV			
CESIUM-137										5.1 PCI/L		UNV			
GROSS ALPHA				239 PCI/L		NV				176 PCI/L		NV			
GROSS BETA				170 PCI/L		NV				105 PCI/L		NV			

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 60 UG/L UNV 10 UG/L UNV
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_538			EMGW_SYSGEN_539			EMGW_SYSGEN_539			EMGW_SYSGEN_541			EMGW_SYSGEN_541		
LAB:	NET			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV				2 UG/L		UNV
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV				2 UG/L		UNV
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV				2 UG/L		UNV
ACETONE	2 UG/L		UNV				2 UG/L		UNV				2 UG/L		UNV
BENZENE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
BROMOMETHANE	10 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
CHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
CHLOROMETHANE	10 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
METHYLENE CHLORIDE	5 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
STYRENE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
TOLUENE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE	2 UG/L		UNV				2 UG/L		UNV				2 UG/L		UNV
VINYL CHLORIDE	10 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003993	003993	004158	004158	112003
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	20.03.05
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2045	2045	2045	2045	2045
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-JAN-89	23-JAN-89	25-JUL-89	25-JUL-89	28-APR-93
NORTH COORDINATE:	477129.91	477129.91	477129.91	477129.91	477129.91
EAST COORDINATE:	1379760.54	1379760.54	1379760.54	1379760.54	1379760.54
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		UJ				.1 MG/L		U			
CHLORIDE				15 MG/L		J				4.75 MG/L		-			
FLUORIDE				.17 MG/L		J				.33 MG/L		-			
NITRATE				1.97 MG/L		J				.733 MG/L		-			
PHENOLS				.02 MG/L		J				.01 MG/L		U			
PHOSPHORUS										.19 MG/L		-			
SULFATE				54.2 MG/L		J				57.2 MG/L		-			
SULFIDE										.5 MG/L		UJ			
TOTAL KJELDAHL NITROGEN				.273 MG/L		J				.231 MG/L		-			
TOTAL ORGANIC CARBON										2.24 MG/L		-			
TOTAL ORGANIC HALIDES				.01 MG/L		U				.01 MG/L		UJ			
TOTAL ORGANIC NITROGEN				.273 MG/L		J				.231 MG/L		-			
INORGANICS															
ALUMINUM							.219 MG/L		-				.0823 MG/L		U
ANTIMONY													.001 MG/L		U
ARSENIC	.002 MG/L		UJ				.002 MG/L		UJ				.001 MG/L		U
BARIUM	.044 MG/L		J				.04 MG/L		-				.0506 MG/L		-
BERYLLIUM													.0036 MG/L		U
CADMIUM	.004 MG/L		J				.006 MG/L		-				.002 MG/L		U
CALCIUM	108 MG/L		J				107 MG/L		-				124 MG/L		-
CHROMIUM	.025 MG/L		J				.04 MG/L		-				.004 MG/L		U
COBALT													.003 MG/L		U
COPPER	.012 MG/L		J				.013 MG/L		-				.0085 MG/L		U
IRON	.043 MG/L		J				.095 MG/L		-				.0279 MG/L		U
LEAD	.002 MG/L		UJ				.0115 MG/L		-				.001 MG/L		U

SAMPLE NUMBER:	003993			003993			004158			004158			112003		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MAGNESIUM	25.7 MG/L		J				24.4 MG/L		-				27.4 MG/L		-
MANGANESE	.012 MG/L		J				.012 MG/L		-				.002 MG/L		U
MERCURY	.0006 MG/L		J				.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM	.02 MG/L		UJ				.01 MG/L		U				.003 MG/L		U
NICKEL	.02 MG/L		UJ				.02 MG/L		U				.003 MG/L		U
POTASSIUM	2.1 MG/L		J				1.52 MG/L		-				2.97 MG/L		-
SELENIUM	.002 MG/L		UJ				.005 MG/L		-				.004 MG/L		-
SILICON							4.85 MG/L		-				5.24 MG/L		-
SILVER	.0005 MG/L		UJ				.011 MG/L		-				.002 MG/L		U
SODIUM	9.12 MG/L		J				4.68 MG/L		-				9.46 MG/L		-
THALLIUM													.001 MG/L		U
VANADIUM							.017 MG/L		-				.011 MG/L		U
ZINC													.0068 MG/L		-
RADIONUCLIDES															
URANIUM-238				92.3 PCI/L	11.9	-				119 PCI/L	17	-	144 PCI/L	32	-
URANIUM, TOTAL				283 UG/L	46	-				341 UG/L	57	-	364 UG/L	50	-
URANIUM-234				78.9 PCI/L	10.3	-				104 PCI/L	14	-	131 PCI/L	29	-
THORIUM-230				1.2 PCI/L	.5	J				1 PCI/L		UJ	.2 PCI/L	.128	UJ
RADIUM-226				1 PCI/L		U				1 PCI/L		UJ	1 PCI/L	.134	UJ
URANIUM-235/236				3.5 PCI/L	.8	-				4.7 PCI/L	1.1	-	5.46 PCI/L	1.54	-
THORIUM-232				1 PCI/L		U				1 PCI/L		UJ	.2 PCI/L		UJ
THORIUM, TOTAL				5 UG/L	3	-				5 UG/L		UJ	1.36 UG/L	.24	UJ
RADIUM-228				3 PCI/L		U				3 PCI/L		UJ	3 PCI/L		UJ
THORIUM-228				1 PCI/L		U				1 PCI/L		UJ	.218 PCI/L		UJ
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		U	.5 PCI/L	.188	UJ
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U	.5 PCI/L		UJ
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U	.5 PCI/L	.154	UJ
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U	1 PCI/L		UJ
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U	15 PCI/L		UJ
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R	150 PCI/L		UJ
CESIUM-137				20 PCI/L		R				20 PCI/L		R	15 PCI/L		UJ
GROSS ALPHA													148 PCI/L	23	J
GROSS BETA													98.8 PCI/L	12	J

SAMPLE NUMBER:	112003	112003	112003	GW930428-4	GW930428-4
TASK:	20.03.05	20.03.05	20.03.05	50.03.23	50.03.23
LAB:	IT-KNOX	IT	IT/MWL	CORE	FERMCO
WELL OR BORING NUMBER:	2045	2045	2045	2045	2045
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-APR-93	28-APR-93	28-APR-93	28-APR-93	28-APR-93
NORTH COORDINATE:	477129.91	477129.91	477129.91	477129.91	477129.91
EAST COORDINATE:	1379760.54	1379760.54	1379760.54	1379760.54	1379760.54
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				320 MG/L		-									
AMMONIA				.1 MG/L		U									
CHLORIDE				15.82 MG/L		-									
FLUORIDE				.27 MG/L		-									
NITRATE				1.43 MG/L		J									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.05 MG/L		-									
SULFATE				64.8 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL KJELDAHL NITROGEN				.16 MG/L		-									
TOTAL ORGANIC CARBON				1.14 MG/L		-									
TOTAL ORGANIC HALIDES				10 MG/L		U									
TOTAL ORGANIC NITROGEN				.16 MG/L		-									
INORGANICS															
CYANIDE				.001 MG/L		U									
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.05 UG/L		U									
AROCLOR-1016				1 UG/L		U									

SAMPLE NUMBER:	112003			112003			112003			GW930428-4			GW930428-4		
LAB:	IT-KNOX			IT			IT/MWL			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
AROCLOR-1221				2 UG/L		U									
AROCLOR-1232				1 UG/L		U									
AROCLOR-1242				1 UG/L		U									
AROCLOR-1248				1 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN ALDEHYDE				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.05 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				5 UG/L		U									
RADIONUCLIDES															
URANIUM-238										101 PCI/L	27.2	J			
URANIUM, TOTAL										384 UG/L	26.9	-	380 UG/L		NV
URANIUM-234										95 PCI/L	25.7	J			
THORIUM-230										.2 PCI/L	.1	UJ			
RADIUM-226										1.2 PCI/L	.3	J			
URANIUM-235/236										13.2 PCI/L	4.2	J			
THORIUM-232										.3 PCI/L	.1	UJ			
RADIUM-228										3 PCI/L	1.3	U			
THORIUM-228										.3 PCI/L	.1	UJ			
GROSS ALPHA										171 PCI/L	9.1	NV			
GROSS BETA										115 PCI/L	4.7	NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												

SAMPLE NUMBER:	112003			112003			112003			GW930428-4			GW930428-4		
LAB:	IT-KNOX			IT			IT/MWL			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL	25 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	25 UG/L		U												
2,4-DINITROTOLUENE	10 UG/L		U												
2,6-DINITROTOLUENE	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												
2-NITROANILINE	25 UG/L		U												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	10 UG/L		UJ												
3-NITROANILINE	25 UG/L		UJ												
4,6-DINITRO-2-METHYLPHENOL	25 UG/L		U												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	25 UG/L		UR												
4-NITROPHENOL	25 UG/L		UR												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		UJ												
BENZOIC ACID	50 UG/L		U												
BENZYL ALCOHOL	10 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UJ												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CARBAZOLE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		UJ												
DI-N-OCTYL PHTHALATE	10 UG/L		UJ												

SAMPLE NUMBER:	112003			112003			112003			GW930428-4			GW930428-4		
LAB:	IT-KNOX			IT			IT/MWL			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		UJ												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		UJ												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U												
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		UR												
PENTACHLOROPHENOL	25 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U	.01 MG/L		U									
PYRENE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		UJ						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							3 UG/L		J						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						

SAMPLE NUMBER:	112003			112003			112003			GW930428-4			GW930428-4		
LAB:	IT-KNOX			IT			IT/MWL			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		UJ						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		UJ						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930428-4	GW930428-4	GW930428-4	EMGW_SYSGEN_540	EMGW_SYSGEN_540
TASK:	50.03.23	50.03.23	50.03.23	GWMON	GWMON
LAB:	FERMCO	NET	NET	IT	NET
WELL OR BORING NUMBER:	2045	2045	2045	2045	2045
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-APR-93	28-APR-93	28-APR-93	29-NOV-90	29-NOV-90
NORTH COORDINATE:	477129.91	477129.91	477129.91	477129.91	477129.91
EAST COORDINATE:	1379760.54	1379760.54	1379760.54	1379760.54	1379760.54
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							348 MG/L		-				323 MG/L		NV
AMMONIA													.02 MG/L		UNV
BICARBONATE ALKALINITY							427 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE													15 MG/L		NV
FLUORIDE													.23 MG/L		NV
NITRATE/NITRITE													1.15 MG/L		NV
PH							7.33 SU		-				6.8 SU		NV
PHENOLS													.005 MG/L		UNV
PHOSPHORUS													.39 MG/L		NV
SPECIFIC CONDUCTIVITY							700 UMHOS/CM		-				630 UMHOS/CM		NV
SULFATE													62 MG/L		NV
TOTAL DISSOLVED SOLIDS				447 MG/L		-							478 MG/L		NV
TOTAL ORGANIC CARBON													5 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL SOLIDS							521 MG/L		-						
INORGANICS															
ALUMINUM							.02 MG/L		U						
ANTIMONY							.045 MG/L		U						
ARSENIC							.002 MG/L		UJ						
BARIUM							.0447 MG/L		-						
BERYLLIUM							.001 MG/L		U						
CADMIUM							.003 MG/L		U						
CALCIUM							118 MG/L		-						
CHROMIUM							.005 MG/L		U						

001194

SAMPLE NUMBER:	GW930428-4			GW930428-4			GW930428-4			EMGW_SYSGEN_540			EMGW_SYSGEN_540		
LAB:	FERMCO			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT							.008 MG/L		U						
COPPER							.0073 MG/L		U						
CYANIDE				.01 MG/L		UR							.005 MG/L		UNV
IRON							.0621 MG/L		U						
LEAD							.001 MG/L		UJ						
MAGNESIUM							25 MG/L		-						
MANGANESE							.002 MG/L		-						
MERCURY							.0002 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							2.4 MG/L		-						
SELENIUM							.0034 MG/L		J						
SILVER							.007 MG/L		UJ						
SODIUM							8.37 MG/L		-						
THALLIUM							.002 MG/L		U						
VANADIUM							.003 MG/L		U						
ZINC							.005 MG/L		U						
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238										108 PCI/L		NV			
URANIUM, TOTAL	380 UG/L		NV							282 UG/L		NV			
URANIUM-234										103 PCI/L		NV			
THORIUM-230										.23 PCI/L		UNV			
RADIUM-226										1 PCI/L		UNV			
URANIUM-235/236										6.13 PCI/L		NV			
THORIUM-232										.289 PCI/L		NV			
THORIUM, TOTAL										2.1 UG/L		UNV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										.23 PCI/L		UNV			
GROSS ALPHA										138 PCI/L		NV			
GROSS BETA										147 PCI/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															

SAMPLE NUMBER:	GW930428-4			GW930428-4			GW930428-4			EMGW_SYSGEN_540			EMGW_SYSGEN_540		
LAB:	FERMCO			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003997	003997	004219	004219	EMGW_SYSGEN_542
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	GWMON
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2046	2046	2046	2046	2046
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-FEB-89	02-FEB-89	03-APR-90	03-APR-90	07-JUN-90
NORTH COORDINATE:	478058.45	478058.45	478058.45	478058.45	478058.45
EAST COORDINATE:	1379418.68	1379418.68	1379418.68	1379418.68	1379418.68
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		UJ				.1 MG/L		U			
CHLORIDE				3 MG/L		J				8.89 MG/L		-			
FLUORIDE				.15 MG/L		J				.18 MG/L		-			
NITRATE				1.35 MG/L		R				1.6 MG/L		R			
PHENOLS				.01 MG/L		-				.01 MG/L		U			
PHOSPHORUS				.39 MG/L		-				.08 MG/L		-			
SULFATE				73.5 MG/L		J				86.4 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL KJELDAHL NITROGEN				.275 MG/L		J									
TOTAL ORGANIC CARBON										.234 MG/L		U			
TOTAL ORGANIC HALIDES				.01 MG/L		U				.0324 MG/L		R			
TOTAL ORGANIC NITROGEN				.275 MG/L		J				.1 MG/L		U			
INORGANICS															
ALUMINUM							.185 MG/L		-						
ARSENIC	.002 MG/L		U				.002 MG/L		UJ						
BARIUM	.067 MG/L		-				.0687 MG/L		-						
CADMIUM	.006 MG/L		-				.0065 MG/L		-						
CALCIUM	112 MG/L		-				120 MG/L		-						
CHROMIUM	.023 MG/L		-				.041 MG/L		-						
COPPER	.021 MG/L		-				.01 MG/L		U						
IRON	.117 MG/L		-				.0956 MG/L		U						
LEAD	.006 MG/L		-				.003 MG/L		U						
MAGNESIUM	31.7 MG/L		-				34.3 MG/L		-						
MANGANESE	.017 MG/L		-				.0102 MG/L		-						
MERCURY	.0002 MG/L		UJ				.0002 MG/L		U						

SAMPLE NUMBER:	003997			003997			004219			004219			EMGW_SYSGEN_542		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.02 MG/L		UJ				.01 MG/L		UJ						
NICKEL	.02 MG/L		-				.02 MG/L		U						
POTASSIUM	2.86 MG/L		-				3.51 MG/L		J						
SELENIUM	.003 MG/L		-				.002 MG/L		U						
SILICON							4.91 MG/L		-						
SILVER	.0005 MG/L		U				.015 MG/L		-						
SODIUM	10.2 MG/L		-				11 MG/L		-						
VANADIUM							.0243 MG/L		-						
RADIONUCLIDES															
URANIUM-238				102 PCI/L	13	-				206 PCI/L	38	J	246 PCI/L		NV
URANIUM, TOTAL				309 UG/L	51	-				907 UG/L	124	-	735 UG/L		NV
URANIUM-234				93.8 PCI/L	11.9	-				199 PCI/L	37	J	246 PCI/L		NV
THORIUM-230				1 PCI/L		U				1.92 PCI/L	.63	R	.771 PCI/L		NV
RADIUM-226				1 PCI/L		U				1 PCI/L		UJ	3.9 PCI/L		NV
URANIUM-235/236				4.3 PCI/L	.9	-				11.5 PCI/L	3.2	J	10.8 PCI/L		NV
THORIUM-232				1 PCI/L		U				1 PCI/L		R	.65 PCI/L		UNV
THORIUM, TOTAL				2 UG/L		U				4.1 UG/L		R	5.8 UG/L		UNV
RADIUM-228				3 PCI/L		UJ				3 PCI/L		UJ	3 PCI/L		UNV
THORIUM-228				1 PCI/L		U				1 PCI/L		R	2.36 PCI/L		NV
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		R			
TECHNETIUM-99				30 PCI/L		UJ				30 PCI/L		R			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			
GROSS ALPHA													514 PCI/L		NV
GROSS BETA													317 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_542	004097	004097	116233	116233
TASK:	GWMON	3.2.4	3.2.4	20.03.05	20.03.05
LAB:	NET	IT	IT	IT	IT/RSL
WELL OR BORING NUMBER:	2046	2046	2046	2046	2046
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-JUN-90	10-MAY-89	10-MAY-89	11-MAY-93	11-MAY-93
NORTH COORDINATE:	478058.45	478058.45	478058.45	478058.45	478058.45
EAST COORDINATE:	1379418.68	1379418.68	1379418.68	1379418.68	1379418.68
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U						
CHLORIDE	20 MG/L		NV				18 MG/L		-						
FLUORIDE							.115 MG/L		-						
NITRATE	2.98 MG/L		NV				1.47 MG/L		J						
NITRATE, AS NITROGEN	2.98 MG/L		NV												
PHENOLS							.0147 MG/L		-						
PHOSPHORUS							.801 MG/L		-						
SULFATE	79 MG/L		NV				84.3 MG/L		-						
SULFIDE							30.1 MG/L		-						
TOTAL KJELDAHL NITROGEN							.377 MG/L		-						
TOTAL ORGANIC CARBON	39 MG/L		NV				1 MG/L		U						
TOTAL ORGANIC HALIDES							.021 MG/L		-						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.377 MG/L		-						
INORGANICS															
ALUMINUM				.0723 MG/L		-				.078 MG/L		U			
ANTIMONY										.0015 MG/L		U			
ARSENIC				.002 MG/L		U				.001 MG/L		U			
BARIUM				.0886 MG/L		-				.0729 MG/L		-			
BERYLLIUM										.001 MG/L		U			
CADMIUM				.0021 MG/L		-				.002 MG/L		U			
CALCIUM				143 MG/L		-				124 MG/L		-			
CHROMIUM				.01 MG/L		U				.004 MG/L		U			
COBALT										.003 MG/L		U			
COPPER				.01 MG/L		U				.0035 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_542			004097			004097			116233			116233		
LAB:	NET			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE										.001 MG/L		U			
IRON				.0565 MG/L		-				.0329 MG/L		U			
LEAD				.004 MG/L		-				.001 MG/L		U			
MAGNESIUM				38.7 MG/L		-				33.5 MG/L		-			
MANGANESE				.002 MG/L		U				.004 MG/L		-			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.1 MG/L		U				.003 MG/L		U			
NICKEL				.02 MG/L		U				.003 MG/L		U			
POTASSIUM				3.23 MG/L		-				4.4 MG/L		-			
SELENIUM				.002 MG/L		U				.0015 MG/L		J			
SILICON				5.59 MG/L		-				5.03 MG/L		-			
SILVER				.01 MG/L		U				.002 MG/L		U			
SODIUM				10.3 MG/L		-				9.91 MG/L		-			
THALLIUM										.001 MG/L		U			
VANADIUM				.01 MG/L		U				.0094 MG/L		U			
ZINC										.0126 MG/L		U			
PESTICIDES															
4,4'-DDD										.1 UG/L		U			
4,4'-DDE										.1 UG/L		U			
4,4'-DDT										.1 UG/L		U			
ALDRIN										.05 UG/L		U			
ALPHA-BHC										.05 UG/L		U			
ALPHA-CHLORDANE										.05 UG/L		U			
AROCLOR-1016										1 UG/L		U			
AROCLOR-1221										2 UG/L		U			
AROCLOR-1232										1 UG/L		U			
AROCLOR-1242										1 UG/L		U			
AROCLOR-1248										1 UG/L		U			
AROCLOR-1254										1 UG/L		U			
AROCLOR-1260										1 UG/L		U			
BETA-BHC										.05 UG/L		U			
DELTA-BHC										.05 UG/L		U			
DIELDRIN										.1 UG/L		U			
ENDOSULFAN II										.1 UG/L		U			
ENDOSULFAN SULFATE										.1 UG/L		U			
ENDRIN										.1 UG/L		U			
ENDRIN ALDEHYDE										.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)										.05 UG/L		U			
GAMMA-CHLORDANE										.05 UG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_542			004097			004097			116233			116233		
LAB:	NET			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
HEPTACHLOR										.05 UG/L		U			
HEPTACHLOR EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.5 UG/L		U			
TOXAPHENE										5 UG/L		U			
RADIONUCLIDES															
URANIUM-238							231 PCI/L	32	-	172 PCI/L	38.6	-			
URANIUM, TOTAL							851 UG/L	136	-	423 UG/L	58.1	-			
URANIUM-234							219 PCI/L	30	-	160 PCI/L	35.9	-			
THORIUM-230							1 PCI/L		U	.2 PCI/L	.145	UJ			
RADIUM-226							1 PCI/L		U	1 PCI/L	.21	UJ			
URANIUM-235/236							9.7 PCI/L	1.9	-	8.72 PCI/L	2.37	-			
THORIUM-232							1 PCI/L		U	.2 PCI/L		UJ			
THORIUM, TOTAL							3 UG/L		U	1.27 UG/L	.92	UJ			
RADIUM-228							3 PCI/L		UJ	3.4 PCI/L		UJ			
THORIUM-228							1 PCI/L		U	.294 PCI/L		UJ			
NEPTUNIUM-237							1 PCI/L		UJ	.71 PCI/L	.295	N			
PLUTONIUM-239/240							1 PCI/L		U	.5 PCI/L	.13	U			
PLUTONIUM-238							1 PCI/L		U	.5 PCI/L	.12	UJ			
STRONTIUM-90							5 PCI/L		U	1 PCI/L		UJ			
TECHNETIUM-99							36.8 PCI/L		UJ	15 PCI/L		UJ			
RUTHENIUM-106							150 PCI/L		U	150 PCI/L		UJ			
CESIUM-137							20 PCI/L		U	11.9 PCI/L		UJ			
GROSS ALPHA										319 PCI/L	42.1	J			
GROSS BETA										96.6 PCI/L	12.3	J			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		U			
1,2-DICHLOROBENZENE										10 UG/L		U			
1,3-DICHLOROBENZENE										10 UG/L		U			
1,4-DICHLOROBENZENE										10 UG/L		U			
2,4,5-TRICHLOROPHENOL										25 UG/L		U			
2,4,6-TRICHLOROPHENOL										10 UG/L		U			
2,4-DICHLOROPHENOL										10 UG/L		U			
2,4-DIMETHYLPHENOL										10 UG/L		U			
2,4-DINITROPHENOL										25 UG/L		U			
2,4-DINITROTOLUENE										10 UG/L		U			
2,6-DINITROTOLUENE										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		U			
2-CHLOROPHENOL										10 UG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_542			004097			004097			116233			116233		
LAB:	NET			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-METHYLNAPHTHALENE										10 UG/L		U			
2-METHYLPHENOL										10 UG/L		U			
2-NITROANILINE										25 UG/L		U			
2-NITROPHENOL										10 UG/L		U			
3,3'-DICHLOROBENZIDINE										10 UG/L		U			
3-NITROANILINE										25 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL										25 UG/L		UR			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLORO-3-METHYLPHENOL										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			
4-NITROANILINE										25 UG/L		UR			
4-NITROPHENOL										25 UG/L		U			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		U			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			
BENZOIC ACID										50 UG/L		U			
BENZYL ALCOHOL										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		UJ			
BIS(2-ETHYLHEXYL)PHTHALATE										3 UG/L		J			
BUTYL BENZYL PHTHALATE										10 UG/L		U			
CARBAZOLE										10 UG/L		U			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										4 UG/L		J			
DI-N-OCTYL PHTHALATE										10 UG/L		U			
DIBENZO(A,H)ANTHRACENE										10 UG/L		U			
DIBENZOFURAN										10 UG/L		U			
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		U			
HEXACHLOROBENZENE										10 UG/L		U			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_542			004097			004097			116233			116233		
LAB:	NET			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		U			
ISOPHORONE										10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		U			
PENTACHLOROPHENOL										25 UG/L		U			
PHENANTHRENE										10 UG/L		U			
PHENOL							.0147 MG/L		-	10 UG/L		U			
PYRENE										10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV										10 UG/L		U
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV										10 UG/L		U
1,1,2-TRICHLOROETHANE	1 UG/L		UNV										10 UG/L		U
1,1-DICHLOROETHANE	1 UG/L		UNV										10 UG/L		U
1,1-DICHLOROETHENE	1 UG/L		UNV										10 UG/L		U
1,2-DICHLOROETHANE	1 UG/L		UNV										10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV										10 UG/L		U
1,2-DICHLOROPROPANE	1 UG/L		UNV										10 UG/L		U
2-BUTANONE	2 UG/L		UNV										10 UG/L		U
2-HEXANONE	2 UG/L		UNV										10 UG/L		U
4-METHYL-2-PENTANONE	2 UG/L		UNV										10 UG/L		U
ACETONE	2 UG/L		UNV										10 UG/L		U
BENZENE	1 UG/L		UNV										10 UG/L		U
BROMODICHLOROMETHANE	1 UG/L		UNV										10 UG/L		U
BROMOFORM	1 UG/L		UNV										10 UG/L		U
BROMOMETHANE	10 UG/L		UNV										10 UG/L		U
CARBON DISULFIDE	1 UG/L		UNV										10 UG/L		U
CARBON TETRACHLORIDE	1 UG/L		UNV										10 UG/L		U
CHLOROBENZENE	1 UG/L		UNV										10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM	1 UG/L		UNV										10 UG/L		U
CHLOROMETHANE	10 UG/L		UNV										10 UG/L		U
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV										10 UG/L		U
DIBROMOCHLOROMETHANE	1 UG/L		UNV										10 UG/L		U
ETHYLBENZENE	1 UG/L		UNV										10 UG/L		U
METHYLENE CHLORIDE	5 UG/L		UNV										10 UG/L		U
STYRENE	1 UG/L		UNV										10 UG/L		UJ

SAMPLE NUMBER:	EMGW_SYSGEN_542			004097			004097			116233			116233		
LAB:	NET			IT			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TETRACHLOROETHENE	1 UG/L		UNV										10 UG/L		U
TOLUENE	1 UG/L		UNV										10 UG/L		U
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV										10 UG/L		U
TRICHLOROETHENE	1 UG/L		UNV										10 UG/L		U
VINYL ACETATE	2 UG/L		UNV										10 UG/L		U
VINYL CHLORIDE	10 UG/L		UNV										10 UG/L		U
XYLENES, TOTAL	1 UG/L		UNV										10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	116233	GW930511-10	GW930511-10	GW930511-10	GW930511-10
TASK:	20.03.05	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	ITAS	CORE	FERMCO	LOCKHEED	LOCKHEED
WELL OR BORING NUMBER:	2046	2046	2046	2046	2046
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-MAY-93	11-MAY-93	11-MAY-93	11-MAY-93	11-MAY-93
NORTH COORDINATE:	478058.45	478058.45	478058.45	478058.45	478058.45
EAST COORDINATE:	1379418.68	1379418.68	1379418.68	1379418.68	1379418.68
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	369 MG/L		-										370 MG/L		-
AMMONIA	.1 MG/L		U												
BICARBONATE ALKALINITY													370 MG/L		-
CARBONATE ALKALINITY													30 MG/L		U
CHLORIDE	20.1 MG/L		-												
FLUORIDE	.15 MG/L		-												
NITRATE	1.63 MG/L		J												
PH	.01 MG/L		U										7.9 SU		-
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.02 MG/L		U												
SPECIFIC CONDUCTIVITY													910 UMHOS/CM		-
SULFATE	73.5 MG/L		-												
SULFIDE	.05 MG/L		U												
TOTAL DISSOLVED SOLIDS										520 MG/L		-			
TOTAL KJELDAHL NITROGEN	.11 MG/L		-												
TOTAL ORGANIC CARBON	1 MG/L		U												
TOTAL ORGANIC HALIDES	.01 MG/L		U												
TOTAL ORGANIC NITROGEN	.11 MG/L		-												
TOTAL SOLIDS													530 MG/L		-
INORGANICS															
ALUMINUM										.024 MG/L		UJ			
ANTIMONY										.027 MG/L		UJ			
ARSENIC										.002 MG/L		U			
BARIUM										.0805 MG/L		-			
BERYLLIUM										.001 MG/L		U			

SAMPLE NUMBER:	116233			GW930511-10			GW930511-10			GW930511-10			GW930511-10		
LAB:	ITAS			CORE			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM										.002 MG/L		U			
CALCIUM										137 MG/L		-			
CHROMIUM										.004 MG/L		U			
COBALT										.005 MG/L		U			
COPPER										.003 MG/L		U			
CYANIDE										.07 MG/L		J			
IRON										.005 MG/L		U			
LEAD										.002 MG/L		U			
MAGNESIUM										35.4 MG/L		-			
MANGANESE										.0034 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.011 MG/L		U			
NICKEL										.011 MG/L		U			
POTASSIUM										4.17 MG/L		-			
SELENIUM										.001 MG/L		U			
SILVER										.004 MG/L		U			
SODIUM										10.4 MG/L		-			
THALLIUM										.003 MG/L		U			
VANADIUM										.004 MG/L		U			
ZINC										.0073 MG/L		-			
PESTICIDES															
ENDOSULFAN-I	.05 UG/L		U												
RADIONUCLIDES															
URANIUM-238				118 PCI/L	29.7	J									
URANIUM, TOTAL				457 UG/L	32	-	440 UG/L		NV						
URANIUM-234				104 PCI/L	26.2	J									
THORIUM-230				.3 PCI/L	.4	U									
RADIUM-226				1.1 PCI/L	.3	-									
URANIUM-235/236				5 PCI/L	1.9	J									
THORIUM-232				.2 PCI/L	.2	U									
THORIUM, TOTAL				1.8240244 PCI/L	.2	NV									
RADIUM-228				3 PCI/L	1.1	U									
THORIUM-228				.2 PCI/L	.2	U									
GROSS ALPHA				193 PCI/L	9.5	NV									
GROSS BETA				133 PCI/L	4.6	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_545	EMGW_SYSGEN_545	EMGW_SYSGEN_543	EMGW_SYSGEN_543	004159
TASK:	GWMON	GWMON	GWMON	GWMON	3.2.4
LAB:	IT	NET	IT	NET	IT
WELL OR BORING NUMBER:	2046	2046	2046	2046	2046
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-MAR-91	13-MAR-91	13-SEP-90	13-SEP-90	28-JUL-89
NORTH COORDINATE:	478058.45	478058.45	478058.45	478058.45	478058.45
EAST COORDINATE:	1379418.68	1379418.68	1379418.68	1379418.68	1379418.68
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				499 MG/L		NV				281 MG/L		NV			
AMMONIA				.02 MG/L		UNV									
CHLORIDE				16 MG/L		NV				17 MG/L		NV			
FLUORIDE				.17 MG/L		NV				.18 MG/L		NV			
NITRATE, AS NITROGEN				2.25 MG/L		NV				2.02 MG/L		NV			
PH				6.88 SU		NV				6.91 SU		NV			
PHENOLS				.005 MG/L		UNV				.005 MG/L		UNV			
PHOSPHORUS				.36 MG/L		NV									
SPECIFIC CONDUCTIVITY				1030 UMHOS/CM		NV				833 UMHOS/CM		NV			
SULFATE				126 MG/L		NV				78 MG/L		NV			
TOTAL DISSOLVED SOLIDS				670 MG/L		NV				535 MG/L		NV			
TOTAL ORGANIC CARBON				7 MG/L		NV				6 MG/L		NV			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV				.01 MG/L		UNV			
INORGANICS															
ALUMINUM				.75 MG/L		NV							.124 MG/L		-
ANTIMONY				.025 MG/L		UNV									
ARSENIC				.0025 MG/L		UNV							.002 MG/L		UJ
BARIUM				.2 MG/L		UNV							.059 MG/L		-
BERYLLIUM				.01 MG/L		UNV									
CADMIUM				.001 MG/L		UNV							.006 MG/L		-
CALCIUM				154 MG/L		NV							104 MG/L		-
CHROMIUM				.02 MG/L		NV							.034 MG/L		-
COBALT				.025 MG/L		UNV									
COPPER				.025 MG/L		UNV							.01 MG/L		U
CYANIDE				.005 MG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_545			EMGW_SYSGEN_545			EMGW_SYSGEN_543			EMGW_SYSGEN_543			004159		
LAB:	IT			NET			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				4.04 MG/L		NV							.04 MG/L		-
LEAD				.011 MG/L		NV							.009 MG/L		-
MAGNESIUM				66 MG/L		NV							25.9 MG/L		-
MANGANESE				.095 MG/L		NV							.01 MG/L		-
MERCURY				.0002 MG/L		UNV							.0002 MG/L		U
MOLYBDENUM				.025 MG/L		UNV							.01 MG/L		U
NICKEL				.026 MG/L		NV							.02 MG/L		U
POTASSIUM				5.65 MG/L		NV							2.59 MG/L		-
SELENIUM				.0025 MG/L		UNV							.002 MG/L		U
SILICON													4.1 MG/L		-
SILVER				.001 MG/L		UNV							.01 MG/L		-
SODIUM				17.3 MG/L		NV							11.3 MG/L		-
THALLIUM				.01 MG/L		UNV									
VANADIUM				.05 MG/L		UNV							.016 MG/L		-
ZINC				.063 MG/L		NV									
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	284 PCI/L		NV				196 PCI/L		NV						
URANIUM, TOTAL	754 UG/L		NV				585 UG/L		NV						
URANIUM-234	276 PCI/L		NV				191 PCI/L		NV						
THORIUM-230	.504 PCI/L		NV				.29 PCI/L		UNV						
RADIUM-226	1 PCI/L		UNV				1 PCI/L		UNV						
URANIUM-235/236	13 PCI/L		NV				8.26 PCI/L		NV						
THORIUM-232	.21 PCI/L		UNV				.29 PCI/L		UNV						
THORIUM, TOTAL	1.9 UG/L		UNV				2.6 UG/L		UNV						
RADIUM-228	3 PCI/L		UNV				7.63 PCI/L		NV						
THORIUM-228	1.29 PCI/L		NV				.29 PCI/L		UNV						
NEPTUNIUM-237	.5 PCI/L		UNV												
PLUTONIUM-239/240	.5 PCI/L		UNV												
PLUTONIUM-238	.5 PCI/L		UNV												
TECHNETIUM-99	20 PCI/L		UNV												
RUTHENIUM-106	150 PCI/L		UNV												
CESIUM-137	6.8 PCI/L		UNV												
GROSS ALPHA	500 PCI/L		NV				68.8 PCI/L		NV						
GROSS BETA	344 PCI/L		NV				52.4 PCI/L		NV						

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV				60 UG/L		UNV			

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	EMGW_SYSGEN_545			EMGW_SYSGEN_545			EMGW_SYSGEN_543			EMGW_SYSGEN_543			004159		
LAB:	IT			NET			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROPROPANE				1 UG/L		UNV				1 UG/L		UNV			
2-BUTANONE				2 UG/L		UNV				2 UG/L		UNV			
2-HEXANONE				2 UG/L		UNV				2 UG/L		UNV			
4-METHYL-2-PENTANONE				2 UG/L		UNV				2 UG/L		UNV			
ACETONE				2 UG/L		UNV				2 UG/L		UNV			
BENZENE				1 UG/L		UNV				1 UG/L		UNV			
BROMODICHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
BROMOFORM				1 UG/L		UNV				1 UG/L		UNV			
BROMOMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CARBON DISULFIDE				1 UG/L		UNV				1 UG/L		UNV			
CARBON TETRACHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROBENZENE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROFORM				1 UG/L		UNV				1 UG/L		UNV			
CHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
ETHYLBENZENE				1 UG/L		UNV				1 UG/L		UNV			
METHYLENE CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
STYRENE				1 UG/L		UNV				1 UG/L		UNV			
TETRACHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
TOLUENE				1 UG/L		UNV				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
TRICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
VINYL ACETATE				2 UG/L		UNV				2 UG/L		UNV			
VINYL CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
XYLENES, TOTAL				1 UG/L		UNV				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004159	EMGW_SYSGEN_544	EMGW_SYSGEN_544	004093	004093
TASK:	3.2.4	GWMON	GWMON	3.2.4	3.2.4
LAB:	IT	IT	NET	IT	IT
WELL OR BORING NUMBER:	2046	2046	2046	2047	2047
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JUL-89	29-NOV-90	29-NOV-90	02-MAY-89	02-MAY-89
NORTH COORDINATE:	478058.45	478058.45	478058.45	478263.85	478263.85
EAST COORDINATE:	1379418.68	1379418.68	1379418.68	1379054.18	1379054.18
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							376 MG/L		NV						
AMMONIA	.1 MG/L		U				.02 MG/L		UNV				.1 MG/L		U
CHLORIDE	25 MG/L		-				15 MG/L		NV				25.5 MG/L		-
FLUORIDE	.18 MG/L		-				.18 MG/L		NV				.165 MG/L		-
NITRATE	2.41 MG/L		J				2.16 MG/L		NV				2.32 MG/L		J
NITRATE/NITRITE							2.16 MG/L		NV						
PH	.01 MG/L		U				6.61 SU		NV				.0546 MG/L		-
PHENOLS	.01 MG/L		U				.005 MG/L		UNV				.0546 MG/L		-
PHOSPHORUS	.392 MG/L		-				.25 MG/L		NV				.758 MG/L		-
SPECIFIC CONDUCTIVITY							820 UMHOS/CM		NV						
SULFATE	59.5 MG/L		-				74 MG/L		NV				64.3 MG/L		J
SULFIDE	.5 MG/L		UJ										28.1 MG/L		J
TOTAL DISSOLVED SOLIDS							600 MG/L		NV						
TOTAL KJELDAHL NITROGEN	.516 MG/L		-										.411 MG/L		-
TOTAL ORGANIC CARBON	2.83 MG/L		-				6 MG/L		NV				1 MG/L		UJ
TOTAL ORGANIC HALIDES	.01 MG/L		U										.0333 MG/L		-
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN	.516 MG/L		-										.411 MG/L		-
INORGANICS															
ALUMINUM										.115 MG/L		-			
ARSENIC										.002 MG/L		U			
BARIUM										.0469 MG/L		-			
CADMIUM										.0039 MG/L		-			
CALCIUM										89.6 MG/L		-			
CHROMIUM										.0138 MG/L		-			

SAMPLE NUMBER:	004159			EMGW_SYSGEN_544			EMGW_SYSGEN_544			004093			004093		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER										.0102 MG/L		-			
CYANIDE							.005 MG/L		UNV						
IRON										.0528 MG/L		-			
LEAD										.002 MG/L		UJ			
MAGNESIUM										27 MG/L		-			
MANGANESE										.0116 MG/L		-			
MERCURY										.2 MG/L		UJ			
MOLYBDENUM										.01 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										2.2 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILICON										3.79 MG/L		-			
SILVER										.0005 MG/L		U			
SODIUM										10.31 MG/L		-			
VANADIUM										.0123 MG/L		-			
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	87.7 PCI/L	11.8	-	246 PCI/L		NV							3.4 PCI/L	.7	-
URANIUM, TOTAL	232 UG/L	39	-	537 UG/L		NV							10 UG/L	2	-
URANIUM-234	86.9 PCI/L	11.7	-	227 PCI/L		NV							3.2 PCI/L	.7	-
THORIUM-230	1 PCI/L		UJ	.37 PCI/L		UNV							1 PCI/L		U
RADIUM-226	1 PCI/L		UJ	1 PCI/L		UNV							1 PCI/L		U
URANIUM-235/236	3.8 PCI/L	.9	-	14.4 PCI/L		NV							1 PCI/L		U
THORIUM-232	1 PCI/L		UJ	.37 PCI/L		UNV							1 PCI/L		U
THORIUM, TOTAL	6 UG/L		UJ	3.3 UG/L		UNV							5 UG/L		U
RADIUM-228	3 PCI/L		U	3 PCI/L		UNV							3 PCI/L		UJ
THORIUM-228	1 PCI/L		UJ	.37 PCI/L		UNV							1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		U										1 PCI/L		UJ
PLUTONIUM-239/240	1 PCI/L		U										1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U										1 PCI/L		U
STRONTIUM-90	5 PCI/L		U										5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U										30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R										150 PCI/L		R
CESIUM-137	20 PCI/L		R										20 PCI/L		R
GROSS ALPHA				254 PCI/L		NV									
GROSS BETA				345 PCI/L		NV									

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004159			EMGW_SYSGEN_544			EMGW_SYSGEN_544			004093			004093		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

SAMPLE NUMBER:	004220	004220	EMGW_SYSGEN_549	EMGW_SYSGEN_549	EMGW_SYSGEN_546
TASK:	3.2.4	3.2.4	GWMON	GWMON	GWMON
LAB:	IT	IT	IT	NET	IT
WELL OR BORING NUMBER:	2047	2047	2047	2047	2047
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-APR-90	03-APR-90	04-DEC-90	04-DEC-90	07-JUN-90
NORTH COORDINATE:	478263.85	478263.85	478263.85	478263.85	478263.85
EAST COORDINATE:	1379054.18	1379054.18	1379054.18	1379054.18	1379054.18
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										242 MG/L		NV			
AMMONIA				.1 MG/L		U				.02 MG/L		UNV			
CHLORIDE				11.3 MG/L		-				22 MG/L		NV			
FLUORIDE				.22 MG/L		-				.23 MG/L		NV			
NITRATE				2.59 MG/L		R				2.37 MG/L		NV			
NITRATE/NITRITE										2.37 MG/L		NV			
PH				.021 MG/L		-				6.76 SU		NV			
PHENOLS				.021 MG/L		-				.005 MG/L		UNV			
PHOSPHORUS				.09 MG/L		-				.53 MG/L		NV			
SPECIFIC CONDUCTIVITY										614 UMHOS/CM		NV			
SULFATE				72.2 MG/L		-				56 MG/L		NV			
SULFIDE				.5 MG/L		U									
TOTAL DISSOLVED SOLIDS										384 MG/L		NV			
TOTAL ORGANIC CARBON				.459 MG/L		U				13 MG/L		NV			
TOTAL ORGANIC HALIDES				.01 MG/L		UR									
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN				.1 MG/L		U									
INORGANICS															
ALUMINUM	.132 MG/L		-												
ARSENIC	.002 MG/L		UJ												
BARIUM	.0414 MG/L		-												
CADMIUM	.0051 MG/L		-												
CALCIUM	87 MG/L		-												
CHROMIUM	.0269 MG/L		-												
COPPER	.01 MG/L		U												

SAMPLE NUMBER:	004220			004220			EMGW_SYSGEN_549			EMGW_SYSGEN_549			EMGW_SYSGEN_546		
LAB:	IT			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE										.005 MG/L		UNV			
IRON	1.6 MG/L		-												
LEAD	.006 MG/L		U												
MAGNESIUM	26 MG/L		-												
MANGANESE	.0107 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.01 MG/L		UJ												
NICKEL	.02 MG/L		U												
POTASSIUM	2.54 MG/L		J												
SELENIUM	.002 MG/L		U												
SILICON	3.8 MG/L		-												
SILVER	.0102 MG/L		-												
SODIUM	17.1 MG/L		-												
VANADIUM	.0164 MG/L		-												
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				4.66 PCI/L	.76	J	5.21 PCI/L		NV				2.97 PCI/L		NV
URANIUM, TOTAL				13.8 UG/L	1.4	-	8.22 UG/L		NV				8.77 UG/L		NV
URANIUM-234				4.72 PCI/L	.77	J	9.24 PCI/L		NV				2.77 PCI/L		NV
THORIUM-230				1.09 PCI/L	.31	R	1.08 PCI/L		NV				.502 PCI/L		NV
RADIUM-226				1 PCI/L		UJ	1 PCI/L		UNV				1 PCI/L		UNV
URANIUM-235/236				1 PCI/L		UJ	4.02 PCI/L		NV				.3 PCI/L		UNV
THORIUM-232				1 PCI/L		R	.33 PCI/L		UNV				.35 PCI/L		UNV
THORIUM, TOTAL				1.9 UG/L		R	3 UG/L		UNV				3.2 UG/L		UNV
RADIUM-228				3 PCI/L		UJ	3 PCI/L		UNV				3 PCI/L		UNV
THORIUM-228				1 PCI/L		R	.538 PCI/L		NV				2.25 PCI/L		NV
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		R									
TECHNETIUM-99				30 PCI/L		R									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA							18.4 PCI/L		NV				27.5 PCI/L		NV
GROSS BETA							17.6 PCI/L		NV				10.4 PCI/L		NV

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SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

													10 UG/L		UNV			
SAMPLE NUMBER:	004220			004220			EMGW_SYSGEN_549			EMGW_SYSGEN_549			EMGW_SYSGEN_546		
LAB:	IT			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_546D	EMGW_SYSGEN_547	EMGW_SYSGEN_547D	EMGW_SYSGEN_548	EMGW_SYSGEN_548
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	IT	NET	NET	IT	NET
WELL OR BORING NUMBER:	2047	2047	2047	2047	2047
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-JUN-90	08-JUN-90	08-JUN-90	12-SEP-90	12-SEP-90
NORTH COORDINATE:	478263.85	478263.85	478263.85	478263.85	478263.85
EAST COORDINATE:	1379054.18	1379054.18	1379054.18	1379054.18	1379054.18
QA TYPE:	DUPLICATE	NORMAL	DUPLICATE	NORMAL	NORMAL
QC OF:	EMGW_SYSGEN_546		EMGW_SYSGEN_547		
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													2230 MG/L		NV
CHLORIDE				22 MG/L		NV	21 MG/L		NV				17 MG/L		NV
FLUORIDE													.26 MG/L		NV
NITRATE, AS NITROGEN				2.72 MG/L		NV	2.66 MG/L		NV				2.3 MG/L		NV
PH													7.17 SU		NV
PHENOLS													.005 MG/L		UNV
SPECIFIC CONDUCTIVITY													610 UMHOS/CM		NV
SULFATE				51 MG/L		NV	62 MG/L		NV				71 MG/L		NV
TOTAL DISSOLVED SOLIDS													440 MG/L		NV
TOTAL ORGANIC CARBON				19 MG/L		NV	19 MG/L		NV				5 MG/L		NV
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	4.19 PCI/L		NV							2.28 PCI/L		NV			
URANIUM, TOTAL	12.5 UG/L		NV							6.81 UG/L		NV			
URANIUM-234	3.55 PCI/L		NV							2.56 PCI/L		NV			
THORIUM-230	3.15 PCI/L		NV							.24 PCI/L		UNV			
RADIUM-226	1 PCI/L		UNV							1 PCI/L		UNV			
URANIUM-235/236	.21 PCI/L		UNV							.22 PCI/L		UNV			
THORIUM-232	.973 PCI/L		NV							.24 PCI/L		UNV			
THORIUM, TOTAL	8.78 UG/L		NV							2.2 UG/L		UNV			
RADIUM-228	3 PCI/L		UNV							3 PCI/L		UNV			

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SAMPLE NUMBER:	EMGW_SYSGEN_546D			EMGW_SYSGEN_547			EMGW_SYSGEN_547D			EMGW_SYSGEN_548			EMGW_SYSGEN_548		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-228	1.35 PCI/L		NV							.24 PCI/L		UNV			
GROSS ALPHA	.0214 PCI/L		NV							17.1 PCI/L		NV			
GROSS BETA	.0125 PCI/L		NV							12.4 PCI/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													60 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
1,1,2-TRICHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHENE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHANE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROPROPANE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE				2 UG/L		UNV	2 UG/L		UNV				2 UG/L		UNV
2-HEXANONE				2 UG/L		UNV	2 UG/L		UNV				2 UG/L		UNV
4-METHYL-2-PENTANONE				2 UG/L		UNV	2 UG/L		UNV				2 UG/L		UNV
ACETONE				2 UG/L		UNV	2 UG/L		UNV				2 UG/L		UNV
BENZENE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
BROMODICHLOROMETHANE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
BROMOFORM				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
BROMOMETHANE				10 UG/L		UNV	10 UG/L		UNV				1 UG/L		UNV
CARBON DISULFIDE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
CARBON TETRACHLORIDE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
CHLOROBENZENE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
CHLOROMETHANE				10 UG/L		UNV	10 UG/L		UNV				1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
DIBROMOCHLOROMETHANE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
ETHYLBENZENE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
METHYLENE CHLORIDE				5 UG/L		UNV	5 UG/L		UNV				1 UG/L		UNV
STYRENE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
TETRACHLOROETHENE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
TOLUENE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
TRICHLOROETHENE				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE				2 UG/L		UNV	2 UG/L		UNV				2 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_546D			EMGW_SYSGEN_547			EMGW_SYSGEN_547D			EMGW_SYSGEN_548			EMGW_SYSGEN_548		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE				10 UG/L		UNV	10 UG/L		UNV				1 UG/L		UNV
XYLENES, TOTAL				1 UG/L		UNV	1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_550	EMGW_SYSGEN_550	003998	003998	110894
TASK:	GWMON	GWMON	3.2.4	3.2.4	50.03.23
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	2047	2047	2047	2047	2047
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-MAR-91	13-MAR-91	22-JAN-89	22-JAN-89	27-APR-93
NORTH COORDINATE:	478263.85	478263.85	478263.85	478263.85	478263.85
EAST COORDINATE:	1379054.18	1379054.18	1379054.18	1379054.18	1379054.18
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				262 MG/L		NV									
AMMONIA				.02 MG/L		UNV				.1 MG/L		U			
CHLORIDE				19 MG/L		NV				30 MG/L		-			
FLUORIDE				.27 MG/L		NV				.2 MG/L		-			
NITRATE				2.34 MG/L		NV				1.6 MG/L		J			
NITRATE, AS NITROGEN				2.34 MG/L		NV									
PH				7.24 SU		NV				.01 MG/L		U			
PHENOLS				.005 MG/L		UNV				.01 MG/L		U			
PHOSPHORUS				.33 MG/L		NV				.1 MG/L		-			
SPECIFIC CONDUCTIVITY				650 UMHOS/CM		NV									
SULFATE				100 MG/L		NV				68 MG/L		-			
TOTAL DISSOLVED SOLIDS				410 MG/L		NV									
TOTAL KJELDAHL NITROGEN										.1 MG/L		U			
TOTAL ORGANIC CARBON				11 MG/L		NV									
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										.1 MG/L		U			
INORGANICS															
ALUMINUM				2.41 MG/L		NV							.0697 MG/L		U
ANTIMONY				.025 MG/L		UNV							.001 MG/L		U
ARSENIC				.013 MG/L		NV	.002 MG/L		U				.001 MG/L		U
BARIUM				.2 MG/L		UNV	.042 MG/L		-				.0506 MG/L		-
BERYLLIUM				.01 MG/L		UNV							.0031 MG/L		U
CADMIUM				.001 MG/L		UNV	.004 MG/L		-				.002 MG/L		U
CALCIUM				122 MG/L		NV	86 MG/L		-				94.6 MG/L		-

SAMPLE NUMBER:	EMGW_SYSGEN_550			EMGW_SYSGEN_550			003998			003998			110894		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM				.021 MG/L		NV	.022 MG/L		-				.004 MG/L		U
COBALT				.025 MG/L		UNV							.003 MG/L		U
COPPER				.025 MG/L		UNV	.013 MG/L		-				.0063 MG/L		U
CYANIDE				.005 MG/L		UNV									
IRON				13.8 MG/L		NV	.061 MG/L		-				.0233 MG/L		U
LEAD				.023 MG/L		NV	.002 MG/L		UJ				.001 MG/L		U
MAGNESIUM				60 MG/L		NV	24.5 MG/L		-				27.4 MG/L		-
MANGANESE				.583 MG/L		NV	.015 MG/L		-				.002 MG/L		U
MERCURY				.0002 MG/L		UNV	.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM				.025 MG/L		UNV	.02 MG/L		U				.003 MG/L		U
NICKEL				.029 MG/L		NV	.02 MG/L		U				.003 MG/L		U
POTASSIUM				4.1 MG/L		NV	2.53 MG/L		-				2.77 MG/L		-
SELENIUM				.0025 MG/L		UNV	.002 MG/L		U				.001 MG/L		U
SILICON													4.1 MG/L		-
SILVER				.001 MG/L		UNV	.0005 MG/L		U				.002 MG/L		U
SODIUM				13.4 MG/L		NV	10.5 MG/L		-				11 MG/L		-
THALLIUM				.01 MG/L		UNV							.001 MG/L		U
VANADIUM				.05 MG/L		UNV							.011 MG/L		U
ZINC				.071 MG/L		NV							.0037 MG/L		-
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	2.44 PCI/L		NV							4.5 PCI/L	.9	-	3.38 PCI/L	.87	-
URANIUM, TOTAL	6.67 UG/L		NV							15 UG/L	3	-	9.51 UG/L	1.33	-
URANIUM-234	2.44 PCI/L		NV							5.1 PCI/L	.9	-	3.74 PCI/L	.95	-
THORIUM-230	.28 PCI/L		UNV							1 PCI/L		U	.408 PCI/L	.186	J
RADIUM-226	1 PCI/L		UNV							1 PCI/L		U	1 PCI/L	.237	UJ
URANIUM-235/236	.2 PCI/L		UNV							1 PCI/L		U	.2 PCI/L	.13	UJ
THORIUM-232	.28 PCI/L		UNV							1 PCI/L		U	.2 PCI/L		UJ
THORIUM, TOTAL	2.5 UG/L		UNV							4 UG/L		U	.764 UG/L	.63	UJ
RADIUM-228	3 PCI/L		UNV							3.2 PCI/L		UJ	5.65 PCI/L		UJ
THORIUM-228	.28 PCI/L		UNV							1 PCI/L		U	.2 PCI/L		UJ
NEPTUNIUM-237	.5 PCI/L		UNV							1 PCI/L		U	.5 PCI/L	.131	U
PLUTONIUM-239/240	.5 PCI/L		UNV							1 PCI/L		UJ	.5 PCI/L		UJ
PLUTONIUM-238	.5 PCI/L		UNV							1 PCI/L		UJ	.5 PCI/L		UJ
STRONTIUM-90										5 PCI/L		U	1 PCI/L	.531	U
TECHNETIUM-99	15 PCI/L		UNV							30 PCI/L		U	15 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		UNV							150 PCI/L		R	150 PCI/L		UJ

SAMPLE NUMBER:	EMGW_SYSGEN_550			EMGW_SYSGEN_550			003998			003998			110894		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137	8.3 PCI/L		UNV							20 PCI/L		R	14 PCI/L		UJ
GROSS ALPHA	9.8 PCI/L		UNV										7.1 PCI/L		UJ
GROSS BETA	13.2 PCI/L		NV										5.4 PCI/L	3.23	J
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_550			EMGW_SYSGEN_550			003998			003998			110894		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	110894	110894	110894	004160	004160
TASK:	50.03.23	50.03.23	50.03.23	3.2.4	3.2.4
LAB:	IT-KNOX	IT	IT/MWL	IT	IT
WELL OR BORING NUMBER:	2047	2047	2047	2047	2047
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-APR-93	27-APR-93	27-APR-93	28-JUL-89	28-JUL-89
NORTH COORDINATE:	478263.85	478263.85	478263.85	478263.85	478263.85
EAST COORDINATE:	1379054.18	1379054.18	1379054.18	1379054.18	1379054.18
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				224 MG/L		-									
AMMONIA				.1 MG/L		U							.1 MG/L		U
CHLORIDE				24.48 MG/L		-							23.5 MG/L		-
FLUORIDE				.2 MG/L		-							.21 MG/L		-
NITRATE				1.72 MG/L		J							2.09 MG/L		J
PHENOLS				.01 MG/L		U							.01 MG/L		U
PHOSPHORUS				.02 MG/L		U							.199 MG/L		-
SULFATE				80.8 MG/L		-							56.9 MG/L		-
SULFIDE				.5 MG/L		U							.5 MG/L		UJ
TOTAL KJELDAHL NITROGEN				.1 MG/L		U							.16 MG/L		-
TOTAL ORGANIC CARBON				1 MG/L		U							1.81 MG/L		-
TOTAL ORGANIC HALIDES				.01 MG/L		U							.01 MG/L		U
TOTAL ORGANIC NITROGEN				.1 MG/L		U							.16 MG/L		-
INORGANICS															
ALUMINUM										.113 MG/L		-			
ARSENIC										.002 MG/L		UJ			
BARIUM										.048 MG/L		-			
CADMIUM										.005 MG/L		-			
CALCIUM										99 MG/L		-			
CHROMIUM										.033 MG/L		-			
COPPER										.01 MG/L		U			
CYANIDE				.001 MG/L		U									
IRON										.031 MG/L		-			
LEAD										.005 MG/L		-			
MAGNESIUM										28.5 MG/L		-			

SAMPLE NUMBER:	110894			110894			110894			004160			004160		
LAB:	IT-KNOX			IT			IT/MWL			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE										.01 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										2.05 MG/L		-			
SELENIUM										.002 MG/L		U			
SILICON										4.01 MG/L		-			
SILVER										.01 MG/L		U			
SODIUM										11.1 MG/L		-			
VANADIUM										.014 MG/L		-			
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.05 UG/L		U									
AROCLOR-1016				1 UG/L		U									
AROCLOR-1221				2 UG/L		U									
AROCLOR-1232				1 UG/L		U									
AROCLOR-1242				1 UG/L		U									
AROCLOR-1248				1 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN ALDEHYDE				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.05 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				5 UG/L		U									

RADIONUCLIDES

URANIUM-238
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	110894			110894			110894			004160			004160			3.8 PCI/L	.8	-
LAB:	IT-KNOX			IT			IT/MWL			IT			IT					
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF					
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)			
RADIONUCLIDES																		
URANIUM, TOTAL													9 UG/L	1	-			
URANIUM-234													3.7 PCI/L	.7	-			
THORIUM-230													1 PCI/L		UJ			
RADIUM-226													1 PCI/L		UJ			
URANIUM-235/236													1 PCI/L		U			
THORIUM-232													1 PCI/L		UJ			
THORIUM, TOTAL													4 UG/L		UJ			
RADIUM-228													3 PCI/L		U			
THORIUM-228													1 PCI/L		UJ			
NEPTUNIUM-237													1 PCI/L		U			
PLUTONIUM-239/240													1 PCI/L		U			
PLUTONIUM-238													1 PCI/L		U			
STRONTIUM-90													5 PCI/L		U			
TECHNETIUM-99													30 PCI/L		U			
RUTHENIUM-106													150 PCI/L		UJ			
CESIUM-137													20 PCI/L		UJ			
SEMIVOLATILES																		
1,2,4-TRICHLOROBENZENE	10 UG/L		U															
1,2-DICHLOROBENZENE	10 UG/L		U															
1,3-DICHLOROBENZENE	10 UG/L		U															
1,4-DICHLOROBENZENE	10 UG/L		U															
2,4,5-TRICHLOROPHENOL	25 UG/L		U															
2,4,6-TRICHLOROPHENOL	10 UG/L		U															
2,4-DICHLOROPHENOL	10 UG/L		U															
2,4-DIMETHYLPHENOL	10 UG/L		U															
2,4-DINITROPHENOL	25 UG/L		U															
2,4-DINITROTOLUENE	10 UG/L		U															
2,6-DINITROTOLUENE	10 UG/L		U															
2-CHLORONAPHTHALENE	10 UG/L		U															
2-CHLOROPHENOL	10 UG/L		U															
2-METHYLNAPHTHALENE	10 UG/L		U															
2-METHYLPHENOL	10 UG/L		U															
2-NITROANILINE	25 UG/L		U															
2-NITROPHENOL	10 UG/L		U															
3,3'-DICHLOROBENZIDINE	10 UG/L		UJ															
3-NITROANILINE	25 UG/L		UJ															

SAMPLE NUMBER:	110894			110894			110894			004160			004160		
LAB:	IT-KNOX			IT			IT/MWL			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4,6-DINITRO-2-METHYLPHENOL	25 UG/L		U												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	25 UG/L		UR												
4-NITROPHENOL	25 UG/L		UR												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		UJ												
BENZOIC ACID	50 UG/L		U												
BENZYL ALCOHOL	10 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UJ												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CARBAZOLE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		UJ												
DI-N-OCTYL PHTHALATE	10 UG/L		UJ												
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		UJ												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		UJ												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U												
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												

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SAMPLE NUMBER:	110894			110894			110894			004160			004160		
LAB:	IT-KNOX			IT			IT/MWL			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		UR												
PENTACHLOROPHENOL	25 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U	.01 MG/L		U							.01 MG/L		U
PYRENE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		UJ						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							1 UG/L		U						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		UJ						

SAMPLE NUMBER:	110894			110894			110894			004160			004160		
LAB:	IT-KNOX			IT			IT/MWL			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004221	004221	004100	004100	003994
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2048	2048	2048	2048	2048
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-APR-90	01-APR-90	02-MAY-89	02-MAY-89	09-FEB-89
NORTH COORDINATE:	477480.23	477480.23	477480.23	477480.23	477480.23
EAST COORDINATE:	1379866.55	1379866.55	1379866.55	1379866.55	1379866.55
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.1 MG/L		U			
CHLORIDE				5.69 MG/L		-				17.3 MG/L		-			
FLUORIDE				.14 MG/L		-				.1 MG/L		-			
NITRATE				.53 MG/L		J				1.19 MG/L		J			
PHENOLS				.34 MG/L		-				.0194 MG/L		-			
PHOSPHORUS				.12 MG/L		-				1.291 MG/L		-			
SULFATE				56 MG/L		-				56.5 MG/L		J			
SULFIDE				.5 MG/L		U				37.8 MG/L		J			
TOTAL KJELDAHL NITROGEN										.725 MG/L		-			
TOTAL ORGANIC CARBON				2.72 MG/L		J				1 MG/L		UJ			
TOTAL ORGANIC HALIDES				.0318 MG/L		R				.01 MG/L		U			
TOTAL ORGANIC NITROGEN				.1 MG/L		-				.725 MG/L		-			
INORGANICS															
ALUMINUM	.143 MG/L		-				.122 MG/L		-						
ARSENIC	.002 MG/L		UJ				.002 MG/L		U				.002 MG/L		U
BARIUM	.035 MG/L		-				.0387 MG/L		-				.042 MG/L		-
CADMIUM	.005 MG/L		-				.0032 MG/L		-				.008 MG/L		U
CALCIUM	108 MG/L		-				102 MG/L		-				97 MG/L		-
CHROMIUM	.035 MG/L		-				.0141 MG/L		-				.031 MG/L		-
COPPER	.01 MG/L		U				.0102 MG/L		-				.017 MG/L		-
IRON	.065 MG/L		U				.0666 MG/L		-				.115 MG/L		-
LEAD	.004 MG/L		U				.0034 MG/L		J				.002 MG/L		UJ
MAGNESIUM	33 MG/L		-				29.1 MG/L		-				24.6 MG/L		-
MANGANESE	.009 MG/L		-				.0145 MG/L		-				.013 MG/L		-
MERCURY	.0002 MG/L		U				.2 MG/L		UJ				.0003 MG/L		J

SAMPLE NUMBER:	004221			004221			004100			004100			003994		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.01 MG/L		UJ				.01 MG/L		U				.008 MG/L		-
NICKEL	.02 MG/L		U				.02 MG/L		U				.02 MG/L		-
POTASSIUM	2.1 MG/L		-				1.82 MG/L		-				2.03 MG/L		-
SELENIUM	.002 MG/L		U				.002 MG/L		UJ				.002 MG/L		U
SILICON	4.86 MG/L		-				4.53 MG/L		-						
SILVER	.013 MG/L		-				.0005 MG/L		U				.0005 MG/L		UJ
SODIUM	7.42 MG/L		-				6.65 MG/L		-				8.03 MG/L		-
VANADIUM	.02 MG/L		-				.0111 MG/L		-						
RADIONUCLIDES															
URANIUM-238				3.02 PCI/L	.63	J				1 PCI/L		U			
URANIUM, TOTAL				2.07 UG/L	.24	-				1 UG/L		U			
URANIUM-234				3.4 PCI/L	.68	J				1 PCI/L		U			
THORIUM-230				1 PCI/L		U				1 PCI/L		U			
RADIUM-226				1 PCI/L		UJ				1 PCI/L		U			
URANIUM-235/236				1 PCI/L		UJ				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL				4.3 UG/L		U				3 UG/L		U			
RADIUM-228				3 PCI/L		UJ				3 PCI/L		UJ			
THORIUM-228				1 PCI/L		U				1 PCI/L		U			
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		UJ				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		UJ				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		U			
CESIUM-137				20 PCI/L		R				20 PCI/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003994	EMGW_SYSGEN_555	EMGW_SYSGEN_555	GW930811-5	GW930811-5
TASK:	3.2.4	GWMON	GWMON	50.03.22	50.03.22
LAB:	IT	IT	NET	CORE	FERMCO
WELL OR BORING NUMBER:	2048	2048	2048	2048	2048
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-FEB-89	10-SEP-90	10-SEP-90	11-AUG-93	11-AUG-93
NORTH COORDINATE:	477480.23	477480.23	477480.23	477480.23	477480.23
EAST COORDINATE:	1379866.55	1379866.55	1379866.55	1379866.55	1379866.55
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							279 MG/L		NV						
AMMONIA	.1 MG/L		UJ												
CHLORIDE	1 MG/L		U				13 MG/L		NV						
FLUORIDE	.12 MG/L		-				.23 MG/L		NV						
NITRATE	1.83 MG/L		J				.79 MG/L		NV						
NITRATE, AS NITROGEN							.79 MG/L		NV						
PH	.01 MG/L		UJ				7.01 SU		NV						
PHENOLS	.01 MG/L		UJ				.005 MG/L		UNV						
PHOSPHORUS	.96 MG/L		J												
SPECIFIC CONDUCTIVITY							682 UMHOS/CM		NV						
SULFATE	59 MG/L		-				71 MG/L		NV						
TOTAL DISSOLVED SOLIDS							465 MG/L		NV						
TOTAL KJELDAHL NITROGEN	.441 MG/L		J												
TOTAL ORGANIC CARBON							61 MG/L		NV						
TOTAL ORGANIC HALIDES	.01 MG/L		UJ												
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN	.441 MG/L		J												
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U	.389 PCI/L		NV									
URANIUM, TOTAL	1 UG/L		UJ	1.16 UG/L		NV				1 UG/L	.1	R	.9 UG/L		NV
URANIUM-234	1 PCI/L		U	.304 PCI/L		NV									

SAMPLE NUMBER:	003994			EMGW_SYSGEN_555			EMGW_SYSGEN_555			GW930811-5			GW930811-5		
LAB:	IT			IT			NET			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230	1 PCI/L		U	.34 PCI/L		UNV									
RADIUM-226	1 PCI/L		U	1 PCI/L		UNV				1.2 PCI/L	.6	UJ			
URANIUM-235/236	1 PCI/L		U	.2 PCI/L		UNV									
THORIUM-232	1 PCI/L		U	.34 PCI/L		UNV									
THORIUM, TOTAL	2 UG/L		U	3.1 UG/L		UNV									
RADIUM-228	3 PCI/L		UJ	3 PCI/L		UNV				3.5 PCI/L	1.1	J			
THORIUM-228	1 PCI/L		U	.34 PCI/L		UNV									
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		U												
PLUTONIUM-238	1 PCI/L		U												
STRONTIUM-90	5 PCI/L		UJ												
TECHNETIUM-99	30 PCI/L		U												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA				11.3 PCI/L		NV				2.7 PCI/L	1.7	UNV			
GROSS BETA				4.7 PCI/L		UNV				7 PCI/L	3.3	NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							60 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							2.1 UG/L		NV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						

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SAMPLE NUMBER:	003994			EMGW_SYSGEN_555			EMGW_SYSGEN_555			GW930811-5			GW930811-5		
LAB:	IT			IT			NET			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930811-5	GW930811-5	EMGW_SYSGEN_554	EMGW_SYSGEN_554	EMGW_SYSGEN_556
TASK:	50.03.22	50.03.22	GWMON	GWMON	GWMON
LAB:	NET	NET	IT	NET	IT
WELL OR BORING NUMBER:	2048	2048	2048	2048	2048
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-AUG-93	11-AUG-93	11-JUN-90	11-JUN-90	19-DEC-90
NORTH COORDINATE:	477480.23	477480.23	477480.23	477480.23	477480.23
EAST COORDINATE:	1379866.55	1379866.55	1379866.55	1379866.55	1379866.55
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				338 MG/L		-									
BICARBONATE ALKALINITY				433 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE										15 MG/L		NV			
NITRATE, AS NITROGEN										1.64 MG/L		NV			
PH				7.3 SU		-									
SPECIFIC CONDUCTIVITY				811 UMHOS/CM		-									
SULFATE										40 MG/L		NV			
TOTAL DISSOLVED SOLIDS	452 MG/L		-												
TOTAL ORGANIC CARBON										26 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL SOLIDS				502 MG/L		-									
RADIONUCLIDES															
URANIUM-238							.956 PCI/L		NV				.817 PCI/L		NV
URANIUM, TOTAL							2.87 UG/L		NV				2.96 UG/L		NV
URANIUM-234							1.3 PCI/L		NV				.674 PCI/L		NV
THORIUM-230							1.19 PCI/L		NV				.802 PCI/L		NV
RADIUM-226							1 PCI/L		UNV				1 PCI/L		UNV
URANIUM-235/236							.2 PCI/L		UNV				.27 PCI/L		UNV
THORIUM-232							.21 PCI/L		UNV				.72 PCI/L		UNV
THORIUM, TOTAL							1.9 UG/L		UNV				6.5 UG/L		UNV
RADIUM-228							3 PCI/L		UNV				3 PCI/L		UNV
THORIUM-228							1.66 PCI/L		NV				1.07 PCI/L		NV
GROSS ALPHA							16 PCI/L		UNV				19 PCI/L		UNV
GROSS BETA							12 PCI/L		UNV				13.2 PCI/L		NV

SAMPLE NUMBER:	GW930811-5			GW930811-5			EMGW_SYSGEN_554			EMGW_SYSGEN_554			EMGW_SYSGEN_556		
LAB:	NET			NET			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_556	004162	004162	110897	110897
TASK:	GWMON	3.2.4	3.2.4	20.03.05	20.03.05
LAB:	NET	IT	IT	IT	IT-KNOX
WELL OR BORING NUMBER:	2048	2048	2048	2048	2048
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-DEC-90	26-JUL-89	26-JUL-89	27-APR-93	27-APR-93
NORTH COORDINATE:	477480.23	477480.23	477480.23	477480.23	477480.23
EAST COORDINATE:	1379866.55	1379866.55	1379866.55	1379866.55	1379866.55
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	353 MG/L		NV												
AMMONIA	.02 MG/L		UNV				.1 MG/L		U						
CHLORIDE	10 MG/L		NV				12.8 MG/L		-						
FLUORIDE	.11 MG/L		NV				.14 MG/L		-						
NITRATE	1.32 MG/L		NV				1.1 MG/L		J						
NITRATE/NITRITE	1.32 MG/L		NV												
PH	7.16 SU		NV				.01 MG/L		U				10 UG/L		U
PHENOLS	.005 MG/L		UNV				.01 MG/L		U						
PHOSPHORUS	.56 MG/L		NV				.366 MG/L		-						
SPECIFIC CONDUCTIVITY	770 UMHOS/CM		NV												
SULFATE	69 MG/L		NV				54.1 MG/L		-						
SULFIDE							.5 MG/L		UJ						
TOTAL DISSOLVED SOLIDS	516 MG/L		NV												
TOTAL KJELDAHL NITROGEN							.623 MG/L		U						
TOTAL ORGANIC CARBON	4 MG/L		NV				2.22 MG/L		-						
TOTAL ORGANIC HALIDES							.01 MG/L		UJ						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.295 MG/L		-						
INORGANICS															
ALUMINUM				.119 MG/L		-				.0711 MG/L		U			
ANTIMONY										.001 MG/L		U			
ARSENIC				.002 MG/L		UJ				.001 MG/L		U			
BARIUM				.04 MG/L		-				.0443 MG/L		-			
BERYLLIUM										.0033 MG/L		U			
CADMIUM				.006 MG/L		-				.002 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_556			004162			004162			110897			110897		
LAB:	NET			IT			IT			IT			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				119 MG/L		-				103 MG/L		-			
CHROMIUM				.038 MG/L		-				.004 MG/L		U			
COBALT										.003 MG/L		U			
COPPER				.015 MG/L		-				.0048 MG/L		U			
CYANIDE	.005 MG/L		UNV												
IRON				.046 MG/L		-				.128 MG/L		-			
LEAD				.002 MG/L		U				.001 MG/L		U			
MAGNESIUM				33.9 MG/L		-				29.9 MG/L		-			
MANGANESE				.012 MG/L		-				.002 MG/L		U			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.01 MG/L		U				.003 MG/L		U			
NICKEL				.02 MG/L		U				.003 MG/L		U			
POTASSIUM				1.77 MG/L		-				2.31 MG/L		-			
SELENIUM				.002 MG/L		U				.0016 MG/L		J			
SILICON				4.76 MG/L		-				4.58 MG/L		-			
SILVER				.01 MG/L		-				.002 MG/L		U			
SODIUM				6.39 MG/L		-				7.3 MG/L		-			
THALLIUM										.001 MG/L		U			
VANADIUM				.018 MG/L		-				.0107 MG/L		U			
ZINC										.0149 MG/L		-			
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U						
URANIUM, TOTAL							1 UG/L		U						
URANIUM-234							1 PCI/L		U						
THORIUM-230							1 PCI/L		UJ						
RADIUM-226							1 PCI/L		UJ						
URANIUM-235/236							1 PCI/L		U						
THORIUM-232							1 PCI/L		UJ						
THORIUM, TOTAL							6 UG/L		UJ						
RADIUM-228							3 PCI/L		U						
THORIUM-228							1 PCI/L		UJ						
NEPTUNIUM-237							1 PCI/L		U						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U						

SAMPLE NUMBER:	EMGW_SYSGEN_556			004162			004162			110897			110897		
LAB:	NET			IT			IT			IT			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							20 PCI/L		UJ						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													25 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U
2,4-DINITROPHENOL													25 UG/L		U
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													25 UG/L		U
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													10 UG/L		UJ
3-NITROANILINE													25 UG/L		UJ
4,6-DINITRO-2-METHYLPHENOL													25 UG/L		U
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													25 UG/L		UR
4-NITROPHENOL													25 UG/L		UR
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		UJ
BENZOIC ACID													50 UG/L		U
BENZYL ALCOHOL													10 UG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_556			004162			004162			110897			110897		
LAB:	NET			IT			IT			IT			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		UJ
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		U
BUTYL BENZYL PHTHALATE													10 UG/L		U
CARBAZOLE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													10 UG/L		UJ
DI-N-OCTYL PHTHALATE													10 UG/L		UJ
DIBENZO(A,H)ANTHRACENE													10 UG/L		U
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		UJ
DIMETHYL PHTHALATE													10 UG/L		U
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		UJ
HEXACHLOROCYCLOPENTADIENE													10 UG/L		U
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		U
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		UR
PENTACHLOROPHENOL													25 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL	.005 MG/L		UNV				.01 MG/L		U				10 UG/L		U
PYRENE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_556			004162			004162			110897			110897		
LAB:	NET			IT			IT			IT			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	110897	110897	GW930427-2	GW930427-2	GW930427-2
TASK:	20.03.05	20.03.05	50.03.23	50.03.23	50.03.23
LAB:	IT	IT/MWL	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	2048	2048	2048	2048	2048
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-APR-93	27-APR-93	27-APR-93	27-APR-93	27-APR-93
NORTH COORDINATE:	477480.23	477480.23	477480.23	477480.23	477480.23
EAST COORDINATE:	1379866.55	1379866.55	1379866.55	1379866.55	1379866.55
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	320 MG/L		-												
AMMONIA	.1 MG/L		U												
CHLORIDE	9.23 MG/L		-												
FLUORIDE	.13 MG/L		-												
NITRATE	1.15 MG/L		J												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.08 MG/L		-												
SULFATE	60.6 MG/L		-												
SULFIDE	.5 MG/L		U												
TOTAL KJELDAHL NITROGEN	.15 MG/L		-												
TOTAL ORGANIC CARBON	1 MG/L		U												
TOTAL ORGANIC HALIDES	10 MG/L		U												
TOTAL ORGANIC NITROGEN	.15 MG/L		-												
INORGANICS															
CYANIDE	.001 MG/L		U												
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.05 UG/L		U												
AROCLOR-1016	1 UG/L		U												

SAMPLE NUMBER:	110897			110897			GW930427-2			GW930427-2			GW930427-2		
LAB:	IT			IT/MWL			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
AROCLOR-1221	2 UG/L		U												
AROCLOR-1232	1 UG/L		U												
AROCLOR-1242	1 UG/L		U												
AROCLOR-1248	1 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN ALDEHYDE	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.05 UG/L		U												
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	5 UG/L		U												
RADIONUCLIDES															
URANIUM-238	.338 PCI/L	.179	J				.8 PCI/L	.4	-						
URANIUM, TOTAL	1 UG/L		U				.9 UG/L	.1	-	1.3 UG/L		NV	1.4 UG/L		NV
URANIUM-234	.682 PCI/L	.272	J				.6 PCI/L	.4	U						
THORIUM-230	.2 PCI/L	.104	U				.4 PCI/L	.1	-						
RADIUM-226	1 PCI/L		UJ				1 PCI/L	.3	UJ						
URANIUM-235/236	.2 PCI/L		UJ				.2 PCI/L	.8	U						
THORIUM-232	.2 PCI/L		UJ				.2 PCI/L	.1	U						
THORIUM, TOTAL	1.03 UG/L	.34	UJ												
RADIUM-228	3 PCI/L		UJ				3 PCI/L	1.2	U						
THORIUM-228	.2 PCI/L		UJ				.2 PCI/L	.1	U						
NEPTUNIUM-237	.5 PCI/L	.095	U												
PLUTONIUM-239/240	.5 PCI/L		UJ												
PLUTONIUM-238	.5 PCI/L	.095	UJ												
STRONTIUM-90	1 PCI/L		UJ												
TECHNETIUM-99	15 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		UJ												
CESIUM-137	18 PCI/L		UJ												
GROSS ALPHA	6.78 PCI/L		UJ				4.9 PCI/L	2.7	UNV						

SAMPLE NUMBER:	110897			110897			GW930427-2			GW930427-2			GW930427-2		
LAB:	IT			IT/MWL			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
GROSS BETA	4.13 PCI/L		UJ				12.1 PCI/L	2.7	NV						
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		UJ									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		UJ									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930427-2	GW930427-2	004222	004222	003436
TASK:	50.03.23	50.03.23	3.2.4	3.2.4	3.2.4
LAB:	NET	NET	IT	IT	IT
WELL OR BORING NUMBER:	2048	2048	2049	2049	2049
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-APR-93	27-APR-93	03-APR-90	03-APR-90	03-AUG-88
NORTH COORDINATE:	477480.23	477480.23	477020.51	477020.51	477020.51
EAST COORDINATE:	1379866.55	1379866.55	1380072.04	1380072.04	1380072.04
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				340 MG/L		-									
AMMONIA										.1 MG/L		U			
BICARBONATE ALKALINITY				403 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE										9.51 MG/L		-			
FLUORIDE										.42 MG/L		-			
NITRATE										4.06 MG/L		R			
PH				7.38 SU		-				.01 MG/L		U			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										2.71 MG/L		-			
SPECIFIC CONDUCTIVITY				647 UMHOS/CM		-									
SULFATE										51.3 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL DISSOLVED SOLIDS	406 MG/L		-												
TOTAL ORGANIC CARBON										.254 MG/L		U			
TOTAL ORGANIC HALIDES										.01 MG/L		UR			
TOTAL ORGANIC NITROGEN										1.64 MG/L		-			
TOTAL SOLIDS				451 MG/L		-									
INORGANICS															
ALUMINUM				.74 MG/L		-	.154 MG/L		-						
ANTIMONY				.045 MG/L		U									
ARSENIC				.0042 MG/L		J	.002 MG/L		UJ				.01 MG/L		U
BARIUM				.0398 MG/L		-	.028 MG/L		-				.2 MG/L		U
BERYLLIUM				.001 MG/L		U									
CADMIUM				.003 MG/L		U	.0045 MG/L		-				.005 MG/L		U

SAMPLE NUMBER:	GW930427-2			GW930427-2			004222			004222			003436		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				111 MG/L		-	124 MG/L		-				120 MG/L		J
CHROMIUM				.0436 MG/L		-	.0368 MG/L		-				.01 MG/L		U
COBALT				.008 MG/L		U									
COPPER				.0171 MG/L		U	.01 MG/L		U				.03 MG/L		U
CYANIDE	.01 MG/L		UR												
IRON				3.58 MG/L		-	.0661 MG/L		U				.1 MG/L		U
LEAD				.0037 MG/L		J	.002 MG/L		U				.005 MG/L		U
MAGNESIUM				31.5 MG/L		-	27.3 MG/L		-				24 MG/L		J
MANGANESE				.164 MG/L		-	.0087 MG/L		-				.02 MG/L		U
MERCURY				.0002 MG/L		U	.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM							.01 MG/L		UJ				.05 MG/L		U
NICKEL				.0362 MG/L		-	.02 MG/L		-				.04 MG/L		U
POTASSIUM				1.95 MG/L		-	3.45 MG/L		J				5 MG/L		UJ
SELENIUM				.001 MG/L		J	.002 MG/L		U				.005 MG/L		U
SILICON							4.55 MG/L		-						
SILVER				.007 MG/L		UJ	.0126 MG/L		-				.01 MG/L		U
SODIUM				5.71 MG/L		-	17.9 MG/L		-				9 MG/L		J
THALLIUM				.002 MG/L		U									
VANADIUM				.004 MG/L		-	.0204 MG/L		-						
ZINC				.015 MG/L		-									
RADIONUCLIDES															
URANIUM, TOTAL										43.3 UG/L	37.9	-			
THORIUM-230										1.27 PCI/L	.71	R			
RADIUM-226										1.19 PCI/L	.2	R			
THORIUM-232										2.3 PCI/L	.94	R			
THORIUM, TOTAL										20.8 UG/L	8.5	R			
RADIUM-228										3 PCI/L		UJ			
THORIUM-228										2.3 PCI/L	.94	R			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		R			
TECHNETIUM-99										30 PCI/L		R			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003436	003470	003470	003687	003687
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2049	2049	2049	2049	2049
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-AUG-88	06-DEC-88	06-DEC-88	06-DEC-88	06-DEC-88
NORTH COORDINATE:	477020.51	477020.51	477020.51	477020.51	477020.51
EAST COORDINATE:	1380072.04	1380072.04	1380072.04	1380072.04	1380072.04
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	NORMAL	NORMAL
QC OF:		003687	003687		
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UJ				.1 MG/L		UJ				.1 MG/L		UJ
CHLORIDE	18 MG/L		J				1.5 MG/L		U				6 MG/L		U
FLUORIDE	.91 MG/L		J				.19 MG/L		-				.21 MG/L		-
NITRATE	3.3 MG/L		J				9.04 MG/L		J				8.95 MG/L		J
PHENOLS	.05 MG/L		U				.01 MG/L		U				.01 MG/L		U
PHOSPHORUS	.1 MG/L		J				1.42 MG/L		-				.907 MG/L		-
SULFATE	54 MG/L		J				41.4 MG/L		-				43.8 MG/L		-
TOTAL KJELDAHL NITROGEN							.44 MG/L		UJ				.43 MG/L		UJ
TOTAL ORGANIC HALIDES							.05 MG/L		U				.05 MG/L		U
TOTAL ORGANIC NITROGEN	.1 MG/L		UJ				.44 MG/L		UJ				.43 MG/L		UJ
INORGANICS															
ARSENIC				.002 MG/L		UJ				.002 MG/L		UJ			
BARIUM				.039 MG/L		U				.039 MG/L		U			
CADMIUM				.002 MG/L		U				.002 MG/L		U			
CALCIUM				116 MG/L		-				116 MG/L		-			
CHROMIUM				.02 MG/L		U				.02 MG/L		U			
COPPER				.01 MG/L		U				.01 MG/L		U			
IRON				.015 MG/L		U				.011 MG/L		U			
LEAD				.002 MG/L		UJ				.006 MG/L		UJ			
MAGNESIUM				26.2 MG/L		-				25.7 MG/L		-			
MANGANESE				.002 MG/L		U				.001 MG/L		U			
MERCURY				.0002 MG/L		U				.0003 MG/L		J			
MOLYBDENUM				.02 MG/L		U				.02 MG/L		U			
NICKEL				.02 MG/L		U				.02 MG/L		U			
POTASSIUM				2.34 MG/L		-				2.23 MG/L		-			

001245

SAMPLE NUMBER:	003436			003470			003470			003687			003687		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.002 MG/L		UJ				.002 MG/L		UJ			
SILVER				.02 MG/L		U				.02 MG/L		U			
SODIUM				8.37 MG/L		-				8.41 MG/L		-			
RADIONUCLIDES															
URANIUM-238	2.8 PCI/L	.6	J				1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL	8 UG/L	1	-				3 UG/L	1	-				2 UG/L	1	-
URANIUM-234	3.1 PCI/L	.6	J				1.3 PCI/L	.3	-				1 PCI/L	.3	-
THORIUM-230	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
RADIUM-226	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM-235/236	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
THORIUM-232	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL	3 UG/L		UJ				3 UG/L		U				5 UG/L		U
RADIUM-228	3 PCI/L		UJ				3 PCI/L		U				3 PCI/L		U
THORIUM-228	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R				150 PCI/L		R
CESIUM-137	20 PCI/L		R				20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003885			003885			003085			003085			004134		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2049			2049			2049			2049			2049		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-FEB-89			07-FEB-89			08-APR-88			08-APR-88			10-MAY-89		
NORTH COORDINATE:	477020.51			477020.51			477020.51			477020.51			477020.51		
EAST COORDINATE:	1380072.04			1380072.04			1380072.04			1380072.04			1380072.04		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.1 MG/L		UJ			
CHLORIDE				15 MG/L		-				23.7 MG/L		-			
FLUORIDE				.23 MG/L		J				.35 MG/L		-			
NITRATE				2.21 MG/L		J				.1 MG/L		U			
PHENOLS				.01 MG/L		R				.02 MG/L		J			
PHOSPHORUS				.8 MG/L		-				.05 MG/L		UJ			
SULFATE				49.4 MG/L		J				70 MG/L		-			
TOTAL KJELDAHL NITROGEN				.37 MG/L		J									
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC NITROGEN				.37 MG/L		J				.1 MG/L		U			
INORGANICS															
ARSENIC	.002 MG/L		U				.2 MG/L		UJ						
BARIUM	.042 MG/L		-				.018 MG/L		R						
CADMIUM	.006 MG/L		-				.002 MG/L		U						
CALCIUM	119 MG/L		-				96.2 MG/L		J						
CHROMIUM	.033 MG/L		-				.02 MG/L		U						
COPPER	.013 MG/L		-				.01 MG/L		U						
IRON	.032 MG/L		-				.005 MG/L		U						
LEAD	.002 MG/L		U				.05 MG/L		UJ						
MAGNESIUM	26.9 MG/L		-				19.77 MG/L		J						
MANGANESE	.005 MG/L		-				.001 MG/L		U						
MERCURY	.0002 MG/L		UJ				.0002 MG/L		UJ						
MOLYBDENUM	.02 MG/L		U				.02 MG/L		UJ						
NICKEL	.02 MG/L		U				.02 MG/L		U						
POTASSIUM	2.13 MG/L		-				2.6 MG/L		J						

SAMPLE NUMBER:	003885			003885			003085			003085			004134		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.002 MG/L		J				.2 MG/L		UJ						
SILVER	.0005 MG/L		U				.01 MG/L		UJ						
SODIUM	15.2 MG/L		-				8.85 MG/L		-						
RADIONUCLIDES															
URANIUM-238				2.1 PCI/L	.4	-				51.4 PCI/L	8.1	J	47.5 PCI/L	6	-
URANIUM, TOTAL				6 UG/L	1	J				130 UG/L	20	J	175 UG/L	28	-
URANIUM-234				2.3 PCI/L	.5	-				50.8 PCI/L	8.1	J	42.9 PCI/L	5.5	-
THORIUM-230				1 PCI/L		U				1 PCI/L		UJ	1 PCI/L		U
RADIUM-226				1 PCI/L		U				1 PCI/L		R	1 PCI/L		U
URANIUM-235/236				1 PCI/L		U				2.3 PCI/L	.8	J	1.8 PCI/L	.5	-
THORIUM-232				1 PCI/L		U				1.6 PCI/L	.7	J	1 PCI/L		U
THORIUM, TOTAL				2 UG/L		U				14.592183 PCI/L	.7	NV	3 UG/L		U
RADIUM-228				3 PCI/L		UJ				3 PCI/L		U	3 PCI/L		UJ
THORIUM-228				1 PCI/L		U				1.5 PCI/L	.7	J	1 PCI/L		U
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		UJ	1 PCI/L		UJ
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		UJ	1 PCI/L		U
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		UJ	1 PCI/L		U
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U	5 PCI/L		U
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U	37.2 PCI/L		UJ
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R	150 PCI/L		U
CESIUM-137				20 PCI/L		R				20 PCI/L		R	20 PCI/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	113305	113305	GW930510-7	GW930510-7	GW930510-7
TASK:	20.03.05	20.03.05	50.03.23	50.03.23	50.03.23
LAB:	IT	ITAS	CORE	FERMCO	LOCKHEED
WELL OR BORING NUMBER:	2049	2049	2049	2049	2049
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-MAY-93	10-MAY-93	10-MAY-93	10-MAY-93	10-MAY-93
NORTH COORDINATE:	477020.51	477020.51	477020.51	477020.51	477020.51
EAST COORDINATE:	1380072.04	1380072.04	1380072.04	1380072.04	1380072.04
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				400 MG/L		-									
AMMONIA				.12 MG/L		-									
CHLORIDE				16.9 MG/L		-									
FLUORIDE				.24 MG/L		-									
NITRATE				1.59 MG/L		J									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.12 MG/L		-									
SULFATE				49.2 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL DISSOLVED SOLIDS													470 MG/L		-
TOTAL KJELDAHL NITROGEN				.12 MG/L		-									
TOTAL ORGANIC CARBON				1 MG/L		U									
TOTAL ORGANIC NITROGEN				.1 MG/L		U									
INORGANICS															
ALUMINUM	.0959 MG/L		-										.024 MG/L		U
ANTIMONY	.0011 MG/L		UJ										.027 MG/L		UJ
ARSENIC	.0011 MG/L		U										.002 MG/L		U
BARIUM	.0471 MG/L		-										.0413 MG/L		-
BERYLLIUM	.001 MG/L		U										.001 MG/L		U
CADMIUM	.002 MG/L		U										.002 MG/L		U
CALCIUM	135 MG/L		-										151 MG/L		-
CHROMIUM	.004 MG/L		U										.004 MG/L		U
COBALT	.003 MG/L		U										.005 MG/L		U
COPPER	.0031 MG/L		U										.003 MG/L		U
CYANIDE	.001 MG/L		U										.02 MG/L		U

SAMPLE NUMBER:	113305			113305			GW930510-7			GW930510-7			GW930510-7		
LAB:	IT			ITAS			CORE			FERMCO			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	.169 MG/L		-										.0193 MG/L		-
LEAD	.001 MG/L		U										.002 MG/L		U
MAGNESIUM	31.4 MG/L		-										33.3 MG/L		-
MANGANESE	.012 MG/L		-										.0018 MG/L		-
MERCURY	.0002 MG/L		U										.0002 MG/L		U
MOLYBDENUM	.003 MG/L		U										.011 MG/L		U
NICKEL	.003 MG/L		U										.011 MG/L		U
POTASSIUM	2.75 MG/L		-										2.42 MG/L		-
SELENIUM	.0013 MG/L		J										.001 MG/L		U
SILICON	4.86 MG/L		-												
SILVER	.002 MG/L		U										.004 MG/L		U
SODIUM	9.71 MG/L		-										10.2 MG/L		-
THALLIUM	.001 MG/L		U										.003 MG/L		U
VANADIUM	.0082 MG/L		U										.004 MG/L		U
ZINC	.005 MG/L		U										.0042 MG/L		-
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.05 UG/L		U												
AROCLOR-1016	1 UG/L		U												
AROCLOR-1221	2 UG/L		U												
AROCLOR-1232	1 UG/L		U												
AROCLOR-1242	1 UG/L		U												
AROCLOR-1248	1 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN ALDEHYDE	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.05 UG/L		U												

SAMPLE NUMBER:	113305			113305			GW930510-7			GW930510-7			GW930510-7		
LAB:	IT			ITAS			CORE			FERMCO			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	5 UG/L		U												
RADIONUCLIDES															
URANIUM-238	46.4 PCI/L	10.1	-				37.5 PCI/L	5.4	-						
URANIUM, TOTAL	111 UG/L	15.2	-				89.6 UG/L	6.3	-	110 UG/L		NV			
URANIUM-234	41.5 PCI/L	9.09	-				33.2 PCI/L	4.8	-						
THORIUM-230	.281 PCI/L	.208	J				.2 PCI/L	.1	UJ						
RADIUM-226	1 PCI/L		R				1 PCI/L	.4	UJ						
URANIUM-235/236	1.86 PCI/L	.622	-				.8 PCI/L	.4	-						
THORIUM-232	.2 PCI/L		UJ				.6 PCI/L	.1	J						
THORIUM, TOTAL	1.82 UG/L	.69	UJ				5.472 PCI/L	.1	NV						
RADIUM-228	3 PCI/L		R				3 PCI/L	1	U						
THORIUM-228	.368 PCI/L		UJ				.2 PCI/L	.1	UJ						
NEPTUNIUM-237	.737 PCI/L		UJ												
PLUTONIUM-239/240	.5 PCI/L		UJ												
PLUTONIUM-238	.5 PCI/L		UJ												
STRONTIUM-90	1 PCI/L		UJ												
TECHNETIUM-99	15 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		UJ												
CESIUM-137	9.61 PCI/L		UJ												
GROSS ALPHA	59.9 PCI/L	13.3	J				45.8 PCI/L	5.5	NV						
GROSS BETA	25.8 PCI/L	5.46	J				24.5 PCI/L	3.4	NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	25 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	25 UG/L		U												
2,4-DINITROTOLUENE	10 UG/L		U												
2,6-DINITROTOLUENE	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												

SAMPLE NUMBER:	113305			113305			GW930510-7			GW930510-7			GW930510-7		
LAB:	IT			ITAS			CORE			FERMCO			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												
2-NITROANILINE	25 UG/L		U												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	10 UG/L		U												
3-NITROANILINE	25 UG/L		U												
4,6-DINITRO-2-METHYLPHENOL	25 UG/L		UR												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	25 UG/L		UR												
4-NITROPHENOL	25 UG/L		U												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		U												
BENZOIC ACID	50 UG/L		U												
BENZYL ALCOHOL	10 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UJ												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CARBAZOLE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	19 UG/L		-												
DI-N-OCTYL PHTHALATE	10 UG/L		U												
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		U												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		U												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U												

SAMPLE NUMBER:	113305			113305			GW930510-7			GW930510-7			GW930510-7		
LAB:	IT			ITAS			CORE			FERMCO			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		U												
PENTACHLOROPHENOL	25 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U	.01 MG/L		U									
PYRENE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		U												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		UJ												

SAMPLE NUMBER:	113305			113305			GW930510-7			GW930510-7			GW930510-7		
LAB:	IT			ITAS			CORE			FERMCO			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930510-7	GW930811-1	GW930811-1	GW930811-1	GW930811-1
TASK:	50.03.23	50.03.18	50.03.18	50.03.18	50.03.18
LAB:	LOCKHEED	CORE	FERMCO	NET	NET
WELL OR BORING NUMBER:	2049	2049	2049	2049	2049
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-MAY-93	11-AUG-93	11-AUG-93	11-AUG-93	11-AUG-93
NORTH COORDINATE:	477020.51	477020.51	477020.51	477020.51	477020.51
EAST COORDINATE:	1380072.04	1380072.04	1380072.04	1380072.04	1380072.04
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	390 MG/L		-										376 MG/L		-
BICARBONATE ALKALINITY	390 MG/L		-										506 MG/L		-
CARBONATE ALKALINITY	30 MG/L		U										3 MG/L		U
PH	7.8 SU		-										7.22 SU		-
SPECIFIC CONDUCTIVITY	840 UMHOS/CM		-										577 UMHOS/CM		-
TOTAL DISSOLVED SOLIDS										509 MG/L		-			
TOTAL SOLIDS	520 MG/L		-										528 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL				61.9 UG/L	4.3	-	79 UG/L		NV						
RADIUM-226				1 PCI/L	.4	U									
RADIUM-228				3 PCI/L	1	U									
GROSS ALPHA				21.7 PCI/L	3.7	NV									
GROSS BETA				25.5 PCI/L	3.1	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_557	EMGW_SYSGEN_557	004164	004164	003743
TASK:	GWMON	GWMON	3.2.4	3.2.4	3.2.4
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	2049	2049	2049	2049	2050
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-JUN-90	11-JUN-90	30-JUL-89	30-JUL-89	05-DEC-88
NORTH COORDINATE:	477020.51	477020.51	477020.51	477020.51	482407.69
EAST COORDINATE:	1380072.04	1380072.04	1380072.04	1380072.04	1376516.93
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		U			
CHLORIDE				13 MG/L		NV				6.5 MG/L		-			
FLUORIDE										.36 MG/L		-			
NITRATE				2.72 MG/L		NV				.685 MG/L		J			
NITRATE, AS NITROGEN				2.72 MG/L		NV									
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.306 MG/L		-			
SULFATE				120 MG/L		NV				43.2 MG/L		-			
SULFIDE										.5 MG/L		UJ			
TOTAL KJELDAHL NITROGEN										.245 MG/L		-			
TOTAL ORGANIC CARBON				31 MG/L		NV				1.98 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										.245 MG/L		-			
INORGANICS															
ALUMINUM							.133 MG/L		-						
ARSENIC							.002 MG/L		UJ				.004 MG/L		J
BARIUM							.025 MG/L		-				.572 MG/L		-
CADMIUM							.004 MG/L		-				.002 MG/L		U
CALCIUM							106 MG/L		-				88 MG/L		-
CHROMIUM							.044 MG/L		-				.02 MG/L		U
COPPER							.01 MG/L		U				.01 MG/L		U
IRON							.034 MG/L		-				2.46 MG/L		-
LEAD							.003 MG/L		-				.011 MG/L		J
MAGNESIUM							21.4 MG/L		-				27.8 MG/L		-

SAMPLE NUMBER:	EMGW_SYSGEN_557			EMGW_SYSGEN_557			004164			004164			003743		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE							.008 MG/L		-				.113 MG/L		-
MERCURY							.0002 MG/L		UJ				.0002 MG/L		UJ
MOLYBDENUM							.01 MG/L		U				.02 MG/L		U
NICKEL							.02 MG/L		U				.02 MG/L		U
POTASSIUM							2.09 MG/L		-				1.52 MG/L		-
SELENIUM							.002 MG/L		U				.002 MG/L		U
SILICON							4.46 MG/L		-						
SILVER							.01 MG/L		-				.02 MG/L		U
SODIUM							5.89 MG/L		-				47.5 MG/L		-
VANADIUM							.016 MG/L		-						
RADIONUCLIDES															
URANIUM-238	7.42 PCI/L		NV							89.9 PCI/L	11.8	-			
URANIUM, TOTAL	22.1 UG/L		NV							147 UG/L	24	-			
URANIUM-234	6.57 PCI/L		NV							83.2 PCI/L	11	-			
THORIUM-230	2.99 PCI/L		NV							1 PCI/L		UJ			
RADIUM-226	1 PCI/L		UNV							1 PCI/L		UJ			
URANIUM-235/236	.214 PCI/L		NV							1.4 PCI/L	.5	-			
THORIUM-232	.45 PCI/L		UNV							1 PCI/L		UJ			
THORIUM, TOTAL	4.1 UG/L		UNV							4 UG/L		UJ			
RADIUM-228	6.9 PCI/L		NV							3 PCI/L		U			
THORIUM-228	2.29 PCI/L		NV							1.1 PCI/L	.4	J			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA	267 PCI/L		NV												
GROSS BETA	114 PCI/L		NV												
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_557			EMGW_SYSGEN_557			004164			004164			003743		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003743			003147			003147			EMGW_SYSGEN_560			EMGW_SYSGEN_560		
TASK:	3.2.4			3.2.4			3.2.4			GWMON			GWMON		
LAB:	IT			IT			IT			NET			NET		
WELL OR BORING NUMBER:	2050			2050			2050			2050			2050		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-DEC-88			05-MAY-88			05-MAY-88			07-NOV-91			07-NOV-91		
NORTH COORDINATE:	482407.69			482407.69			482407.69			482407.69			482407.69		
EAST COORDINATE:	1376516.93			1376516.93			1376516.93			1376516.93			1376516.93		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													332 MG/L		NV
AMMONIA	2.98 MG/L		R				.5 MG/L		R						
BICARBONATE													330 MG/L		NV
CARBONATE ALKALINITY													2 MG/L		NV
CHLORIDE	70.7 MG/L		R				78.9 MG/L		-				75 MG/L		NV
FLUORIDE	.8 MG/L		-				1.2 MG/L		-						
NITRATE	.1 MG/L		U				.1 MG/L		R				.02 MG/L		UNV
NITRATE, AS NITROGEN													.02 MG/L		UNV
PH	.01 MG/L		U				.02 MG/L		-				7.44 SU		NV
PHENOLS	.01 MG/L		U				.02 MG/L		-						
PHOSPHORUS	.902 MG/L		-				.12 MG/L		-						
SPECIFIC CONDUCTIVITY													816 UMHOS/CM		NV
SULFATE	197 MG/L		-				4 MG/L		-				4 MG/L		NV
TOTAL DISSOLVED SOLIDS													482 MG/L		NV
TOTAL KJELDAHL NITROGEN	2.46 MG/L		R				.5 MG/L		R						
TOTAL ORGANIC CARBON													17 MG/L		NV
TOTAL ORGANIC HALIDES	.05 MG/L		U												
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN	.1 MG/L		R				.5 MG/L		R						
INORGANICS															
ALUMINUM										.2 MG/L		UNV			
ANTIMONY										.02 MG/L		UNV			
ARSENIC				.2 MG/L		U				.005 MG/L		UNV			
BARIUM				.52 MG/L		-				.6 MG/L		NV			
BERYLLIUM										.005 MG/L		UNV			

SAMPLE NUMBER:	003743			003147			003147			EMGW_SYSGEN_560			EMGW_SYSGEN_560		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM				.006 MG/L		-				.001 MG/L		UNV			
CALCIUM				82.9 MG/L		-				63.3 MG/L		NV			
CHROMIUM				.02 MG/L		U							.0037 MG/L		NV
COBALT										.005 MG/L		UNV			
COPPER				.01 MG/L		U				.02 MG/L		UNV			
IRON				1.63 MG/L		-				3.01 MG/L		NV			
LEAD				.05 MG/L		U				.003 MG/L		UNV			
MAGNESIUM				28.3 MG/L		-				27.1 MG/L		NV			
MANGANESE				.09 MG/L		-				.11 MG/L		NV			
MERCURY				.0002 MG/L		U				.0002 MG/L		UNV			
MOLYBDENUM				.02 MG/L		U				.01 MG/L		UNV			
NICKEL				.02 MG/L		U				.01 MG/L		UNV			
POTASSIUM				1.58 MG/L		-				1.8 MG/L		NV			
SELENIUM				.2 MG/L		U				.005 MG/L		UNV			
SILVER				.01 MG/L		U				.001 MG/L		UNV			
SODIUM				46.3 MG/L		-				53.8 MG/L		NV			
THALLIUM										.01 MG/L		UNV			
VANADIUM										.05 MG/L		UNV			
ZINC										.02 MG/L		UNV			
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1 PCI/L		U						
URANIUM, TOTAL	1 UG/L		U				1 UG/L		U						
URANIUM-234	1 PCI/L		U				1 PCI/L		U						
THORIUM-230	1 PCI/L		U				1 PCI/L		U						
RADIUM-226	1 PCI/L		U				1.8 PCI/L	.9	-						
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U						
THORIUM-232	1 PCI/L		U				1 PCI/L		U						
THORIUM, TOTAL	4 UG/L		UJ												
RADIUM-228	3 PCI/L		R				3 PCI/L		U						
THORIUM-228	1 PCI/L		U				1 PCI/L		U						
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U						
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U						
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R						

SAMPLE NUMBER:	003743			003147			003147			EMGW_SYSGEN_560			EMGW_SYSGEN_560		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137	20 PCI/L		R				20 PCI/L		R						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

001461

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_560	003969	003969	003497	003497
TASK:	GWMON	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	WMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	2050	2050	2050	2050	2050
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-NOV-91	13-MAR-89	13-MAR-89	16-AUG-88	16-AUG-88
NORTH COORDINATE:	482407.69	482407.69	482407.69	482407.69	482407.69
EAST COORDINATE:	1376516.93	1376516.93	1376516.93	1376516.93	1376516.93
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.3 MG/L		U				1.5 MG/L		-
CHLORIDE							76 MG/L		-				100 MG/L		J
FLUORIDE							.7 MG/L		-				.82 MG/L		-
NITRATE							.02 MG/L		R				.87 MG/L		R
PHENOLS							.005 MG/L		U				.04 MG/L		J
PHOSPHORUS							.08 MG/L		-				.085 MG/L		J
SULFATE							2 MG/L		U				2 MG/L		UJ
TOTAL KJELDAHL NITROGEN							.6 MG/L		-						
TOTAL ORGANIC HALIDES							.05 MG/L		U				.05 MG/L		U
TOTAL ORGANIC NITROGEN							.3 MG/L		-				1 MG/L		-
INORGANICS															
ARSENIC				.007 MG/L		J				.26 MG/L		-			
BARIUM				.52 MG/L		J				.541 MG/L		-			
CADMIUM				.005 MG/L		UJ				.002 MG/L		U			
CALCIUM				89 MG/L		J				85.9 MG/L		-			
CHROMIUM				.03 MG/L		J				.02 MG/L		U			
COPPER				.01 MG/L		UJ				.01 MG/L		U			
IRON				2.2 MG/L		J				2.227 MG/L		-			
LEAD				.002 MG/L		UJ				.05 MG/L		U			
MAGNESIUM				27 MG/L		J				29.1 MG/L		-			
MANGANESE				.1 MG/L		J				.088 MG/L		-			
MERCURY				.0002 MG/L		UJ				.0002 MG/L		UJ			
MOLYBDENUM				.01 MG/L		J				.02 MG/L		U			
NICKEL				.03 MG/L		UJ				.02 MG/L		U			
POTASSIUM				1.4 MG/L		J				2 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_560			003969			003969			003497			003497		
LAB:	WMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.005 MG/L		UJ				.2 MG/L		U			
SILVER				.01 MG/L		UJ				.01 MG/L		U			
SODIUM				54 MG/L		J				47.84 MG/L		J			
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL	.1 UG/L		UNV				.8 UG/L	.1	-				.1 UG/L		U
URANIUM-234							1 PCI/L		U				1 PCI/L		U
THORIUM-230							1 PCI/L		U				1 PCI/L		U
RADIUM-226							1 PCI/L		U				1 PCI/L		U
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-232							1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL							5 UG/L		U				3 UG/L		U
RADIUM-228							3 PCI/L		R				3 PCI/L		U
THORIUM-228							1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237							1 PCI/L		UJ				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		U				1 PCI/L		U
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_558	066846	GW930520-8	GW930520-8	GW930520-8
TASK:	GWMON	9.25	50.03.23	50.03.23	50.03.23
LAB:	NET	IT	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	2050	2050	2050	2050	2050
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-OCT-90	18-DEC-89	20-MAY-93	20-MAY-93	20-MAY-93
NORTH COORDINATE:	482407.69	482407.69	482407.69	482407.69	482407.69
EAST COORDINATE:	1376516.93	1376516.93	1376516.93	1376516.93	1376516.93
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	311 MG/L		NV												
AMMONIA	3.32 MG/L		NV												
CHLORIDE	76 MG/L		NV												
FLUORIDE	.51 MG/L		NV												
NITRATE/NITRITE	.02 MG/L		NV												
PH	7.24 SU		NV												
PHENOLS	.017 MG/L		NV												
PHOSPHORUS	.21 MG/L		NV												
SPECIFIC CONDUCTIVITY	794 UMHOS/CM		NV												
SULFATE	4 MG/L		NV												
TOTAL DISSOLVED SOLIDS	418 MG/L		NV												
TOTAL ORGANIC CARBON	4 MG/L		NV												
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
INORGANICS															
CYANIDE	.005 MG/L		UNV												
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U	.7 PCI/L	.3	J	.5 PCI/L	.3	R			
URANIUM, TOTAL				1 UG/L		U	.1 UG/L	.1	U	.1 UG/L	.1	U	.1 UG/L		UNV
URANIUM-234				1 PCI/L		U	.8 PCI/L	.3	J	.7 PCI/L	.3	R			

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SAMPLE NUMBER:	EMGW_SYSGEN_558			066846			GW930520-8			GW930520-8			GW930520-8		
LAB:	NET			IT			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230				1 PCI/L		U	.2 PCI/L	.3	UJ	.3 PCI/L	.1	J			
RADIUM-226							1.3 PCI/L	.8	J	1.1 PCI/L	.4	J			
URANIUM-235/236				1 PCI/L		U	.2 PCI/L	.3	UJ	.2 PCI/L	.2	R			
THORIUM-232							.2 PCI/L	.1	U	.2 PCI/L	.1	U			
THORIUM, TOTAL										1.82401488 PCI/L	.1	NV			
RADIUM-228							3 PCI/L	1.3	U	3 PCI/L	1	U			
THORIUM-228				1 PCI/L		U	.2 PCI/L	.2	UJ	.2 PCI/L	.1	U			
TECHNETIUM-99				30 PCI/L		U									
GROSS ALPHA							2.3 PCI/L	1.7	UNV	4.7 PCI/L	1.8	NV			
GROSS BETA							1.5 PCI/L	1.7	UNV	6.2 PCI/L	2	NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_558			066846			GW930520-8			GW930520-8			GW930520-8		
LAB:	NET			IT			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930520-8	GW930520-8	GW930520-8	EMGW_SYSGEN_559	EMGW_SYSGEN_559
TASK:	50.03.23	50.03.23	50.03.23	GWMON	GWMON
LAB:	FERMCO	LOCKHEED	LOCKHEED	NET	NET
WELL OR BORING NUMBER:	2050	2050	2050	2050	2050
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-MAY-93	20-MAY-93	20-MAY-93	30-SEP-91	30-SEP-91
NORTH COORDINATE:	482407.69	482407.69	482407.69	482407.69	482407.69
EAST COORDINATE:	1376516.93	1376516.93	1376516.93	1376516.93	1376516.93
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							390 MG/L		-				339 MG/L		NV
AMMONIA							3.9 MG/L		-						
BICARBONATE							390 MG/L		-				337 MG/L		NV
BICARBONATE ALKALINITY							390 MG/L		-						
CARBONATE ALKALINITY							30 MG/L		U				2 MG/L		NV
CHLORIDE							73 MG/L		-				76 MG/L		NV
FLUORIDE							.71 MG/L		-						
NITRATE, AS NITROGEN													.02 MG/L		UNV
NITRATE/NITRITE							.05 MG/L		U						
PH							7.6 SU		-				7.39 SU		NV
PHENOLS							.15 MG/L		U						
PHOSPHORUS							.079 MG/L		-						
SPECIFIC CONDUCTIVITY							870 UMHOS/CM		-				832 UMHOS/CM		NV
SULFATE							.099 MG/L		-				11 MG/L		NV
TOTAL DISSOLVED SOLIDS				450 MG/L		-							383 MG/L		NV
TOTAL ORGANIC CARBON							3.2 MG/L		-				16 MG/L		NV
TOTAL ORGANIC HALIDES							.12 MG/L		-						
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN							-.11 MG/L		U						
TOTAL SOLIDS							470 MG/L		-						
INORGANICS															
ALUMINUM				.024 MG/L		U	.024 MG/L		U	.2 MG/L		UNV			
ANTIMONY				.027 MG/L		U	.027 MG/L		U	.02 MG/L		UNV			
ARSENIC				.0054 MG/L		J	.0072 MG/L		-	.005 MG/L		UNV			
BARIUM				.665 MG/L		-	.677 MG/L		-	.59 MG/L		NV			

SAMPLE NUMBER:	GW930520-8			GW930520-8			GW930520-8			EMGW_SYSGEN_559			EMGW_SYSGEN_559		
LAB:	FERMCO			LOCKHEED			LOCKHEED			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM				.001 MG/L		U	.001 MG/L		U	.005 MG/L		UNV			
CADMIUM				.002 MG/L		U	.0022 MG/L		J	.001 MG/L		UNV			
CALCIUM				94 MG/L		-	92 MG/L		-	77 MG/L		NV			
CHROMIUM				.004 MG/L		U	.004 MG/L		U				.002 MG/L		UNV
COBALT				.005 MG/L		U	.005 MG/L		U	.005 MG/L		UNV			
COPPER				.0258 MG/L		U	.0354 MG/L		-	.024 MG/L		NV			
CYANIDE				.02 MG/L		UJ	.02 MG/L		U						
IRON				5.42 MG/L		J	3.24 MG/L		J	2.7 MG/L		NV			
LEAD				.002 MG/L		U	.0216 MG/L		J	.003 MG/L		UNV			
MAGNESIUM				33.1 MG/L		-	32.4 MG/L		-	28 MG/L		NV			
MANGANESE				.132 MG/L		J	.108 MG/L		J	.119 MG/L		NV			
MERCURY				.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		UNV			
MOLYBDENUM				.011 MG/L		U	.011 MG/L		U	.01 MG/L		UNV			
NICKEL				.011 MG/L		U	.0514 MG/L		-	.01 MG/L		UNV			
POTASSIUM				1.23 MG/L		-	1.51 MG/L		-	1.7 MG/L		NV			
SELENIUM				.001 MG/L		UJ	.001 MG/L		UJ	.005 MG/L		UNV			
SILVER				.004 MG/L		U	.004 MG/L		U	.001 MG/L		UNV			
SODIUM				51 MG/L		-	50.4 MG/L		-	49 MG/L		NV			
THALLIUM				.003 MG/L		UJ	.003 MG/L		U	.01 MG/L		UNV			
VANADIUM				.004 MG/L		U	.004 MG/L		U	.05 MG/L		UNV			
ZINC				.003 MG/L		U	.185 MG/L		-	.02 MG/L		UNV			
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM, TOTAL	.1 UG/L		UNV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U				1 UG/L		UNV
1,1,2-TRICHLOROETHANE							10 UG/L		U				1 UG/L		UNV
1,1-DICHLOROETHANE							10 UG/L		U				1 UG/L		UNV
1,1-DICHLOROETHENE							10 UG/L		U				1 UG/L		UNV
1,2-DICHLOROETHANE							10 UG/L		U				1 UG/L		UNV

SAMPLE NUMBER:	GW930520-8			GW930520-8			GW930520-8			EMGW_SYSGEN_559			EMGW_SYSGEN_559		
LAB:	FERMCO			LOCKHEED			LOCKHEED			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U				1 UG/L		UNV
1,2-DICHLOROPROPANE							10 UG/L		U				1 UG/L		UNV
2-BUTANONE							10 UG/L		U				2 UG/L		UNV
2-HEXANONE							10 UG/L		U				2 UG/L		UNV
4-METHYL-2-PENTANONE							10 UG/L		U				2 UG/L		UNV
ACETONE							10 UG/L		UJ				2 UG/L		UNV
BENZENE							10 UG/L		U				1 UG/L		UNV
BROMODICHLOROMETHANE							10 UG/L		U				1 UG/L		UNV
BROMOFORM							10 UG/L		U				1 UG/L		UNV
BROMOMETHANE							10 UG/L		U				1 UG/L		UNV
CARBON DISULFIDE							10 UG/L		U				1 UG/L		UNV
CARBON TETRACHLORIDE							10 UG/L		U				1 UG/L		UNV
CHLOROBENZENE							10 UG/L		U				1 UG/L		UNV
CHLOROETHANE							10 UG/L		U				1 UG/L		UNV
CHLOROFORM							10 UG/L		U				1 UG/L		UNV
CHLOROMETHANE							10 UG/L		U				1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE							10 UG/L		U				1 UG/L		UNV
DIBROMOCHLOROMETHANE							10 UG/L		U				1 UG/L		UNV
ETHYLBENZENE							10 UG/L		U				1 UG/L		UNV
METHYLENE CHLORIDE							10 UG/L		U				1 UG/L		UNV
STYRENE							10 UG/L		U				1 UG/L		UNV
TETRACHLOROETHENE							10 UG/L		U				1 UG/L		UNV
TOLUENE							10 UG/L		U				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U				1 UG/L		UNV
TRICHLOROETHENE							10 UG/L		U				1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE							10 UG/L		U				1 UG/L		UNV
XYLENES, TOTAL							10 UG/L		U				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_559	EMGW_SYSGEN_570	EMGW_SYSGEN_570	EMGW_SYSGEN_570	GW930406-11
TASK:	GWMON	GWMON	GWMON	GWMON	50.03.23
LAB:	WMCO	NET	NET	WMCO	CORE
WELL OR BORING NUMBER:	2050	2051	2051	2051	2051
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-SEP-91	02-OCT-91	02-OCT-91	02-OCT-91	06-APR-93
NORTH COORDINATE:	482407.69	481597.05	481597.05	481597.05	481597.05
EAST COORDINATE:	1376516.93	1383279.97	1383279.97	1383279.97	1383279.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							319 MG/L		NV						
AMMONIA							.21 MG/L		NV						
CHLORIDE							24 MG/L		NV						
FLUORIDE							.29 MG/L		NV						
NITRATE, AS NITROGEN							.02 MG/L		UNV						
PH							6.88 SU		NV						
PHENOLS							.005 MG/L		UNV						
PHOSPHORUS							3.41 MG/L		NV						
SPECIFIC CONDUCTIVITY							818 UMHOS/CM		NV						
SULFATE							116 MG/L		NV						
TOTAL DISSOLVED SOLIDS							528 MG/L		NV						
TOTAL ORGANIC CARBON							4 MG/L		NV						
TOTAL ORGANIC HALOGENS							.014 MG/L		NV						
INORGANICS															
ALUMINUM				.2 MG/L		UNV	1.4 MG/L		NV						
ANTIMONY				.02 MG/L		UNV	.02 MG/L		UNV						
ARSENIC				.005 MG/L		UNV	.005 MG/L		UNV						
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV						
BERYLLIUM				.005 MG/L		UNV	.005 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV						
CALCIUM				120 MG/L		NV	150 MG/L		NV						
CHROMIUM							.0137 MG/L		NV						
COBALT				.005 MG/L		UNV	.005 MG/L		UNV						
COPPER				.02 MG/L		UNV	.03 MG/L		NV						
CYANIDE							.005 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_559			EMGW_SYSGEN_570			EMGW_SYSGEN_570			EMGW_SYSGEN_570			GW930406-11		
LAB:	WMCO			NET			NET			WMCO			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				2 MG/L		NV	8.6 MG/L		NV						
LEAD				.003 MG/L		UNV	.003 MG/L		NV						
MAGNESIUM				27 MG/L		NV	40 MG/L		NV						
MANGANESE				.448 MG/L		NV	.368 MG/L		NV						
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM				.01 MG/L		UNV	.01 MG/L		UNV						
NICKEL				.01 MG/L		UNV	.01 MG/L		UNV						
POTASSIUM				2.4 MG/L		NV	2.5 MG/L		NV						
SELENIUM				.005 MG/L		UNV	.005 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM				9.1 MG/L		NV	57 MG/L		NV						
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC				.043 MG/L		NV	.109 MG/L		NV						
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238													1 PCI/L	.5	J
URANIUM, TOTAL	.6 UG/L		NV							.9 UG/L		NV	.9 UG/L	.1	-
URANIUM-234													.8 PCI/L	.4	J
THORIUM-230													.2 PCI/L	.3	UJ
RADIUM-226													1 PCI/L	.2	U
URANIUM-235/236													.2 PCI/L	.5	UJ
THORIUM-232													.2 PCI/L	.3	UJ
THORIUM, TOTAL													.91202212 PCI/L	.3	NV
RADIUM-228													3 PCI/L	.9	U
THORIUM-228													.2 PCI/L	.6	UJ
GROSS ALPHA													5.2 PCI/L	2.8	UNV
GROSS BETA													5.4 PCI/L	3.3	UNV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_559			EMGW_SYSGEN_570			EMGW_SYSGEN_570			EMGW_SYSGEN_570			GW930406-11		
LAB:	WMCO			NET			NET			WMCO			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930406-11	GW930406-11	GW930406-11	GW930406-11	GW930406-13
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	FERMCO	LOCKHEED	LOCKHEED	CORE
WELL OR BORING NUMBER:	2051	2051	2051	2051	2051
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-APR-93	06-APR-93	06-APR-93	06-APR-93	06-APR-93
NORTH COORDINATE:	481597.05	481597.05	481597.05	481597.05	481597.05
EAST COORDINATE:	1383279.97	1383279.97	1383279.97	1383279.97	1383279.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					GW930406-11
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										330 MG/L		-			
AMMONIA										.16 MG/L		-			
BICARBONATE ALKALINITY										330 MG/L		-			
CARBONATE ALKALINITY										30 MG/L		U			
CHLORIDE										23 MG/L		-			
FLUORIDE										.24 MG/L		-			
NITRATE/NITRITE										.05 MG/L		U			
PH										7.4 SU		-			
PHENOLS										.15 MG/L		U			
PHOSPHORUS										.03 MG/L		U			
SPECIFIC CONDUCTIVITY										970 UMHOS/CM		-			
SULFATE										310 MG/L		-			
TOTAL DISSOLVED SOLIDS							810 MG/L		-						
TOTAL ORGANIC CARBON										1.2 MG/L		-			
TOTAL ORGANIC HALIDES										.045 MG/L		U			
TOTAL ORGANIC NITROGEN										-.16 MG/L		U			
TOTAL SOLIDS										810 MG/L		-			
INORGANICS															
ALUMINUM							.036 MG/L		U	.036 MG/L		U			
ANTIMONY							.031 MG/L		U	.031 MG/L		UJ			
ARSENIC							.0025 MG/L		-	.0025 MG/L		J			
BARIUM							.0666 MG/L		-	.0671 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.002 MG/L		U	.002 MG/L		U			
CALCIUM							196 MG/L		J	194 MG/L		-			

SAMPLE NUMBER:	GW930406-11			GW930406-11			GW930406-11			GW930406-11			GW930406-13		
LAB:	CORE			FERMCO			LOCKHEED			LOCKHEED			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM							.003 MG/L		U	.003 MG/L		U			
COBALT							.008 MG/L		U	.008 MG/L		U			
COPPER							.004 MG/L		U	.004 MG/L		U			
CYANIDE							.02 MG/L		U	.02 MG/L		U			
IRON							3.41 MG/L		-	4.02 MG/L		-			
LEAD							.001 MG/L		U	.001 MG/L		U			
MAGNESIUM							41.9 MG/L		-	42 MG/L		-			
MANGANESE							.448 MG/L		-	.446 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
MOLYBDENUM							.015 MG/L		U	.015 MG/L		U			
NICKEL							.031 MG/L		U	.031 MG/L		U			
POTASSIUM							2.48 MG/L		-	2.54 MG/L		-			
SELENIUM							.001 MG/L		UJ	.0027 MG/L		U			
SILVER							.0059 MG/L		-	.003 MG/L		U			
SODIUM							14.4 MG/L		-	13.4 MG/L		-			
THALLIUM							.002 MG/L		UJ	.002 MG/L		U			
VANADIUM							.007 MG/L		U	.007 MG/L		U			
ZINC							.0022 MG/L		-	.0054 MG/L		U			
RADIONUCLIDES															
URANIUM-238	.6 PCI/L	.3	J										1.6 PCI/L	.7	R
URANIUM, TOTAL	.9 UG/L	.1	-	.9 UG/L		NV							1 UG/L	.1	-
URANIUM-234	.8 PCI/L	.4	J										1.4 PCI/L	.6	R
THORIUM-230	.4 PCI/L	.1	UJ										.2 PCI/L	.3	UJ
RADIUM-226	1 PCI/L	.3	UJ										1 PCI/L	.2	U
URANIUM-235/236	.2 PCI/L	.3	UJ										.3 PCI/L	.5	R
THORIUM-232	.3 PCI/L	.1	UJ										.2 PCI/L	.3	UJ
RADIUM-228	3 PCI/L	.9	UJ										3 PCI/L	1	U
THORIUM-228	.3 PCI/L	.1	UJ										.2 PCI/L	.6	UJ
GROSS ALPHA	4.6 PCI/L	2.4	UNV										6.4 PCI/L	1.9	NV
GROSS BETA	6.3 PCI/L	3.3	NV										6.3 PCI/L	2.6	NV
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		UJ			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		UJ			
1,1,2-TRICHLOROETHANE										10 UG/L		UJ			
1,1-DICHLOROETHANE										10 UG/L		UJ			
1,1-DICHLOROETHENE										10 UG/L		UJ			
1,2-DICHLOROETHANE										10 UG/L		UJ			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		UJ			

SAMPLE NUMBER:	GW930406-11			GW930406-11			GW930406-11			GW930406-11			GW930406-13		
LAB:	CORE			FERMCO			LOCKHEED			LOCKHEED			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE										10 UG/L		UJ			
2-BUTANONE										10 UG/L		UJ			
2-HEXANONE										10 UG/L		UJ			
4-METHYL-2-PENTANONE										10 UG/L		UJ			
ACETONE										10 UG/L		UJ			
BENZENE										10 UG/L		UJ			
BROMODICHLOROMETHANE										10 UG/L		UJ			
BROMOFORM										10 UG/L		UJ			
BROMOMETHANE										10 UG/L		UJ			
CARBON DISULFIDE										10 UG/L		UJ			
CARBON TETRACHLORIDE										10 UG/L		UJ			
CHLOROBENZENE										10 UG/L		UJ			
CHLOROETHANE										10 UG/L		UJ			
CHLOROFORM										10 UG/L		UJ			
CHLOROMETHANE										10 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE										10 UG/L		UJ			
DIBROMOCHLOROMETHANE										10 UG/L		UJ			
ETHYLBENZENE										10 UG/L		UJ			
METHYLENE CHLORIDE										10 UG/L		UJ			
STYRENE										10 UG/L		UJ			
TETRACHLOROETHENE										10 UG/L		UJ			
TOLUENE										10 UG/L		UJ			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		UJ			
TRICHLOROETHENE										10 UG/L		UJ			
VINYL CHLORIDE										10 UG/L		UJ			
XYLENES, TOTAL										10 UG/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930406-13	GW930406-13	GW930406-13	GW930406-13	GW930406-13
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	FERMCO	FERMCO	LOCKHEED	LOCKHEED
WELL OR BORING NUMBER:	2051	2051	2051	2051	2051
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-APR-93	06-APR-93	06-APR-93	06-APR-93	06-APR-93
NORTH COORDINATE:	481597.05	481597.05	481597.05	481597.05	481597.05
EAST COORDINATE:	1383279.97	1383279.97	1383279.97	1383279.97	1383279.97
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE
QC OF:	GW930406-11	GW930406-11	GW930406-11	GW930406-11	GW930406-11
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													330 MG/L		-
AMMONIA													.16 MG/L		-
BICARBONATE ALKALINITY													330 MG/L		-
CARBONATE ALKALINITY													30 MG/L		U
CHLORIDE													23 MG/L		-
FLUORIDE													.25 MG/L		-
NITRATE/NITRITE													.05 MG/L		U
PH													7.2 SU		-
PHENOLS													.15 MG/L		U
PHOSPHORUS													.03 MG/L		U
SPECIFIC CONDUCTIVITY													1000 UMHOS/CM		-
SULFATE													310 MG/L		-
TOTAL DISSOLVED SOLIDS										820 MG/L		-			
TOTAL ORGANIC CARBON													1.2 MG/L		-
TOTAL ORGANIC HALIDES													.089 MG/L		-
TOTAL ORGANIC NITROGEN													.073 MG/L		-
TOTAL SOLIDS													820 MG/L		-
INORGANICS															
ALUMINUM										.036 MG/L		U	.036 MG/L		U
ANTIMONY										.031 MG/L		U	.031 MG/L		UJ
ARSENIC										.002 MG/L		U	.002 MG/L		U
BARIUM										.0654 MG/L		-	.0646 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.002 MG/L		U	.002 MG/L		U
CALCIUM										198 MG/L		J	188 MG/L		-

SAMPLE NUMBER:	GW930406-13			GW930406-13			GW930406-13			GW930406-13			GW930406-13		
LAB:	CORE			FERMCO			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM										.003 MG/L		U	.003 MG/L		U
COBALT										.008 MG/L		U	.008 MG/L		U
COPPER										.004 MG/L		U	.004 MG/L		U
CYANIDE										.02 MG/L		U	.02 MG/L		U
IRON										3.43 MG/L		-	3.95 MG/L		-
LEAD										.001 MG/L		U	.001 MG/L		U
MAGNESIUM										42 MG/L		-	40.4 MG/L		-
MANGANESE										.451 MG/L		-	.433 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM										.015 MG/L		U	.015 MG/L		U
NICKEL										.031 MG/L		U	.031 MG/L		U
POTASSIUM										2.67 MG/L		-	2.8 MG/L		-
SELENIUM										.0013 MG/L		J	.0025 MG/L		U
SILVER										.003 MG/L		U	.003 MG/L		U
SODIUM										14 MG/L		-	13 MG/L		-
THALLIUM										.002 MG/L		UJ	.002 MG/L		U
VANADIUM										.007 MG/L		U	.007 MG/L		U
ZINC										.002 MG/L		U	.0062 MG/L		U
RADIONUCLIDES															
URANIUM-238	.6 PCI/L	.3	J												
URANIUM, TOTAL	.9 UG/L	.1	-	.8 UG/L		NV	.9 UG/L		NV						
URANIUM-234	.8 PCI/L	.4	J												
THORIUM-230	.4 PCI/L	.1	J												
RADIUM-226	1 PCI/L	.2	UJ												
URANIUM-235/236	.2 PCI/L	.3	UJ												
THORIUM-232	.3 PCI/L	.1	UJ												
RADIUM-228	3 PCI/L	1	U												
THORIUM-228	.3 PCI/L	.1	UJ												
GROSS ALPHA	5.7 PCI/L	2.9	UNV												
GROSS BETA	5.1 PCI/L	3	UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U

SAMPLE NUMBER:	GW930406-13			GW930406-13			GW930406-13			GW930406-13			GW930406-13		
LAB:	CORE			FERMCO			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		U
BENZENE													10 UG/L		UJ
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		UJ
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		UJ
CHLOROETHANE													10 UG/L		UJ
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		UJ
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		UJ
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		UJ
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066714	066715	066715	GW930107-5	GW930107-5
TASK:	9.27	9.27	9.27	RCRA	RCRA
LAB:	IT	WMCO	WMCO	CORE	FERMCO Laboratory
WELL OR BORING NUMBER:	2051	2051	2051	2051	2051
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-NOV-89	06-NOV-89	06-NOV-89	07-JAN-93	07-JAN-93
NORTH COORDINATE:	481597.05	481597.05	481597.05	481597.05	481597.05
EAST COORDINATE:	1383279.97	1383279.97	1383279.97	1383279.97	1383279.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	F-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE							26 MG/L		NV						
FLUORIDE							.28 MG/L		NV						
NITRATE							.03 MG/L		NV						
PHENOLS							.013 MG/L		NV						
SULFATE							394 MG/L		NV						
TOTAL ORGANIC CARBON							1 MG/L		UNV						
TOTAL ORGANIC HALIDES							10 MG/L		UNV						
INORGANICS															
ALUMINUM				.05 MG/L		UNV	.235 MG/L		NV						
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV						
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV						
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
CALCIUM				201 MG/L		NV	213 MG/L		NV						
CHROMIUM				.006 MG/L		NV	.009 MG/L		NV						
COBALT				.025 MG/L		UNV	.025 MG/L		UNV						
COPPER				.025 MG/L		UNV	.027 MG/L		NV						
IRON				4.48 MG/L		NV	5.22 MG/L		NV						
LEAD				.005 MG/L		UNV	.005 MG/L		UNV						
MAGNESIUM				49 MG/L		NV	52.4 MG/L		NV						
MANGANESE				.385 MG/L		NV	.426 MG/L		NV						
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM				6.2 MG/L		NV	16.3 MG/L		NV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC				.075 MG/L		NV	.051 MG/L		NV						

SAMPLE NUMBER:	066714			066715			066715			GW930107-5			GW930107-5		
LAB:	IT			WMCO			WMCO			CORE			FERMCO Laboratory		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238	1 PCI/L		UJ												
URANIUM, TOTAL	2 UG/L	1	J							.5 UG/L		NV	1.1 UG/L		NV
URANIUM-234	1 PCI/L		UJ												
THORIUM-230	1 PCI/L		U							.2 PCI/L	.1	UNV			
RADIUM-226										1 PCI/L	.2	UNV			
URANIUM-235/236	1 PCI/L		UJ												
THORIUM-232										.2 PCI/L	.1	UNV			
THORIUM, TOTAL										.9 UG/L		NV			
RADIUM-228										3 PCI/L	1.4	UNV			
THORIUM-228	1 PCI/L		U							.2 PCI/L	.1	UNV			
TECHNETIUM-99	30 PCI/L		UJ												
GROSS ALPHA										.7 PCI/L	2.4	UNV			
GROSS BETA										13.8 PCI/L	3.1	NV			
VOLATILES															
1,1-DICHLOROETHANE							2.5 UG/L		UNV						
1,2-DICHLOROETHANE							2.5 UG/L		UNV						
METHYLENE CHLORIDE							2.5 UG/L		UNV						
TETRACHLOROETHENE							2.5 UG/L		UNV						
TOLUENE							2.5 UG/L		UNV						
TRICHLOROETHENE							2.5 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930107-5	GW930107-5	066509	066509	EMGW_SYSGEN_566
TASK:	RCRA	RCRA	9.25	9.25	GWMON
LAB:	NET	NET	IT	IT	IT
WELL OR BORING NUMBER:	2051	2051	2051	2051	2051
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-JAN-93	07-JAN-93	08-AUG-89	08-AUG-89	14-NOV-90
NORTH COORDINATE:	481597.05	481597.05	481597.05	481597.05	481597.05
EAST COORDINATE:	1383279.97	1383279.97	1383279.97	1383279.97	1383279.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				294 MG/L		NV									
ALLYL CHLORIDE				5 UG/L		UNV									
AMMONIA				.13 MG/L		NV									
BICARBONATE ALKALINITY				415 MG/L		NV									
CARBONATE ALKALINITY				3 MG/L		UNV									
CHLORIDE				27 MG/L		NV									
FLUORIDE				.26 MG/L		NV									
NITRATE				.02 MG/L		UNV									
NITRITE, AS NITROGEN				.02 MG/L		UNV									
PH				7.04 SU		NV									
PHENOLS				.01 MG/L		UNV									
PHOSPHORUS				.1 MG/L		UNV									
SPECIFIC CONDUCTIVITY				1240 UMHOS/CM		NV									
SULFATE				385 MG/L		NV									
TOTAL DISSOLVED SOLIDS	843 MG/L		NV												
TOTAL ORGANIC CARBON				7 MG/L		NV				.552 MG/L		-			
TOTAL ORGANIC HALIDES				.01 MG/L		UNV				.034 MG/L		-			
TOTAL SOLIDS				906 MG/L		NV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	.2 MG/L		UNV	.182 MG/L		-						
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV									
ARSENIC	.005 MG/L		UNV	.005 MG/L		UNV									
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV	.088 MG/L		-						
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		-						
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV									

SAMPLE NUMBER:	GW930107-5			GW930107-5			066509			066509			EMGW_SYSGEN_566		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	208 MG/L		NV	202 MG/L		NV	209 MG/L		-						
CHROMIUM	.002 MG/L		UNV	.002 MG/L		UNV	.037 MG/L		-						
COBALT	.005 MG/L		UNV	.005 MG/L		UNV	.01 MG/L		U						
COPPER	.02 MG/L		UNV	.02 MG/L		UNV	.01 MG/L		U						
CYANIDE				.005 MG/L		UNV									
IRON	3.49 MG/L		NV	4.09 MG/L		NV	4.45 MG/L		-						
LEAD	.003 MG/L		UNV	.003 MG/L		UNV	.002 MG/L		U						
MAGNESIUM	45 MG/L		NV	46.9 MG/L		NV	49.9 MG/L		-						
MANGANESE	.372 MG/L		NV	.401 MG/L		NV									
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV									
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV									
NICKEL	.01 MG/L		UNV	.01 MG/L		UNV	.022 MG/L		-						
POTASSIUM				2.8 MG/L		NV									
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV									
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.013 MG/L		-						
SODIUM				12 MG/L		NV									
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.029 MG/L		-						
ZINC	.02 MG/L		UNV	.02 MG/L		UNV	.09 MG/L		-						
MISC															
1,2,3-TRICHLOROPROPANE				5 UG/L		UNV									
1,2-DIBROMO-3-CHLOROPROPANE				2 UG/L		UNV									
1,2-DIBROMOETHANE				2 UG/L		UNV									
2-CHLORO-1,3-BUTADIENE				5 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACRYLONITRILE				50 UG/L		UNV									
DICHLORODIFLUOROMETHANE				10 UG/L		UNV									
ETHYL CYANIDE				20 UG/L		UNV									
ETHYL METHACRYLATE				5 UG/L		UNV									
IODOMETHANE				5 UG/L		UNV									
METHACRYLONITRILE				5 UG/L		UNV									
METHYL METHACRYLATE				5 UG/L		UNV									
PENTACHLOROETHANE				5 UG/L		UNV									
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
TRANS-1,4-DICHLORO-2-BUTENE				20 UG/L		UNV									

SAMPLE NUMBER:	GW930107-5			GW930107-5			066509			066509			EMGW_SYSGEN_566		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL													1.89 UG/L		NV
URANIUM-234													.644 PCI/L		NV
THORIUM-230													.561 PCI/L		NV
RADIUM-226													1 PCI/L		UNV
URANIUM-235/236													.2 PCI/L		UNV
THORIUM-232													.2 PCI/L		UNV
THORIUM, TOTAL													1.6 UG/L		UNV
RADIUM-228													3 PCI/L		UNV
THORIUM-228													.214 PCI/L		NV
NEPTUNIUM-237													.5 PCI/L		UNV
PLUTONIUM-239/240													.5 PCI/L		UNV
PLUTONIUM-238													.5 PCI/L		UNV
TECHNETIUM-99													17 PCI/L		UNV
RUTHENIUM-106													150 PCI/L		UNV
CESIUM-137													6.1 PCI/L		UNV
GROSS ALPHA													11 PCI/L		UNV
GROSS BETA													12.2 PCI/L		NV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
CUMENE				1 UG/L		UNV									
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV				5 UG/L		U			
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				10 UG/L		UNV									
2-HEXANONE				10 UG/L		UNV									
4-METHYL-2-PENTANONE				10 UG/L		UNV									
ACETONE				10 UG/L		UNV				10 UG/L		U			
BENZENE				1 UG/L		UNV									

SAMPLE NUMBER:	GW930107-5			GW930107-5			066509			066509			EMGW_SYSGEN_566		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				5 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				10 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				10 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				10 UG/L		UNV				5 UG/L		U			
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV				5 UG/L		U			
TOLUENE				1 UG/L		UNV				5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV				5 UG/L		U			
TRICHLOROFLUOROMETHANE				1 UG/L		UNV									
VINYL ACETATE				10 UG/L		UNV									
VINYL CHLORIDE				5 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_566	EMGW_SYSGEN_566	EMGW_SYSGEN_564	EMGW_SYSGEN_564	EMGW_SYSGEN_564
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	NET	IT	NET	NET
WELL OR BORING NUMBER:	2051	2051	2051	2051	2051
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-NOV-90	14-NOV-90	17-MAY-90	17-MAY-90	17-MAY-90
NORTH COORDINATE:	481597.05	481597.05	481597.05	481597.05	481597.05
EAST COORDINATE:	1383279.97	1383279.97	1383279.97	1383279.97	1383279.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				263 MG/L		NV									
AMMONIA				.17 MG/L		NV									
CHLORIDE				24 MG/L		NV							26 MG/L		NV
FLUORIDE				.29 MG/L		NV							.44 MG/L		NV
NITRATE, AS NITROGEN													.05 MG/L		NV
NITRATE/NITRITE				.02 MG/L		UNV									
PH				6.98 SU		NV							.005 MG/L		UNV
PHENOLS				.005 MG/L		UNV							.005 MG/L		UNV
PHOSPHORUS				.19 MG/L		NV									
SPECIFIC CONDUCTIVITY				763 UMHOS/CM		NV									
SULFATE				103 MG/L		NV							177 MG/L		NV
TOTAL DISSOLVED SOLIDS				633 MG/L		NV									
TOTAL ORGANIC CARBON				5 MG/L		NV							4 MG/L		NV
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV							.01 MG/L		UNV
INORGANICS															
ALUMINUM	.5 MG/L		UNV	1.33 MG/L		NV				.05 MG/L		UNV	7.96 MG/L		NV
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC	.0025 MG/L		UNV	.005 MG/L		NV				.0025 MG/L		UNV	.009 MG/L		NV
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV				.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	76.4 MG/L		NV	71.6 MG/L		NV				151 MG/L		NV	265 MG/L		NV
CHROMIUM				.005 MG/L		UNV							.079 MG/L		NV
COBALT	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
COPPER	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.039 MG/L		NV

SAMPLE NUMBER:	EMGW_SYSGEN_566			EMGW_SYSGEN_566			EMGW_SYSGEN_564			EMGW_SYSGEN_564			EMGW_SYSGEN_564		
LAB:	NET			NET			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE				.005 MG/L		UNV									
IRON	1.59 MG/L		NV	14.9 MG/L		NV				1.93 MG/L		NV	18.9 MG/L		NV
LEAD	.005 MG/L		UNV	.008 MG/L		NV				.005 MG/L		UNV	.015 MG/L		NV
MAGNESIUM	22.5 MG/L		NV	22.4 MG/L		NV				21 MG/L		NV	59 MG/L		NV
MANGANESE	.219 MG/L		NV	.389 MG/L		NV				.334 MG/L		NV	.639 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
NICKEL	.005 MG/L		UNV	.006 MG/L		NV				.005 MG/L		UNV	.021 MG/L		NV
POTASSIUM	2.91 MG/L		NV	2.89 MG/L		NV				2.52 MG/L		NV	3.44 MG/L		NV
SELENIUM	.0025 MG/L		UNV	.0025 MG/L		UNV				.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	5.2 MG/L		NV	7.22 MG/L		NV				12.9 MG/L		NV	12.7 MG/L		NV
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.02 MG/L		UNV	.049 MG/L		NV				.02 MG/L		UNV	.106 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238							.766 PCI/L		NV						
URANIUM, TOTAL							2.28 UG/L		NV						
URANIUM-234							.932 PCI/L		NV						
THORIUM-230							5.19 PCI/L		NV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236							.2 PCI/L		UNV						
THORIUM-232							.983 PCI/L		NV						
THORIUM, TOTAL							8.87 UG/L		NV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							2.6 PCI/L		NV						
NEPTUNIUM-237							.5 PCI/L		UNV						
PLUTONIUM-239/240							.5 PCI/L		UNV						
PLUTONIUM-238							.5 PCI/L		UNV						
STRONTIUM-90							1 PCI/L		UNV						
TECHNETIUM-99							25 PCI/L		UNV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							12 PCI/L		UNV						
GROSS ALPHA							22 PCI/L		UNV						
GROSS BETA							29.6 PCI/L		NV						

001287

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_566			EMGW_SYSGEN_566			EMGW_SYSGEN_564			EMGW_SYSGEN_564			EMGW_SYSGEN_564		
LAB:	NET			NET			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1,2-TRICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROPROPANE				1 UG/L		UNV							1 UG/L		UNV
2-BUTANONE				2 UG/L		UNV							2 UG/L		UNV
2-HEXANONE				2 UG/L		UNV							2 UG/L		UNV
4-METHYL-2-PENTANONE				2 UG/L		UNV							2 UG/L		UNV
ACETONE				2 UG/L		UNV							2 UG/L		UNV
BENZENE				1 UG/L		UNV							1 UG/L		UNV
BROMODICHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
BROMOFORM				1 UG/L		UNV							1 UG/L		UNV
BROMOMETHANE				1 UG/L		UNV							1 UG/L		UNV
CARBON DISULFIDE				1 UG/L		UNV							1 UG/L		UNV
CARBON TETRACHLORIDE				1 UG/L		UNV							1 UG/L		UNV
CHLOROBENZENE				1 UG/L		UNV							1 UG/L		UNV
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV							1 UG/L		UNV
CHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV							1 UG/L		UNV
DIBROMOCHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
ETHYLBENZENE				1 UG/L		UNV							1 UG/L		UNV
METHYLENE CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
STYRENE				1 UG/L		UNV							1 UG/L		UNV
TETRACHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
TOLUENE				1 UG/L		UNV							1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV							1 UG/L		UNV
TRICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
VINYL ACETATE				2 UG/L		UNV							2 UG/L		UNV
VINYL CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
XYLENES, TOTAL				1 UG/L		UNV							1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003100	003100	EMGW_SYSGEN_565	EMGW_SYSGEN_565	EMGW_SYSGEN_565
TASK:	3.2.4	3.2.4	GWMON	GWMON	GWMON
LAB:	IT	IT	IT	NET	NET
WELL OR BORING NUMBER:	2051	2051	2051	2051	2051
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-APR-88	20-APR-88	20-AUG-90	20-AUG-90	20-AUG-90
NORTH COORDINATE:	481597.05	481597.05	481597.05	481597.05	481597.05
EAST COORDINATE:	1383279.97	1383279.97	1383279.97	1383279.97	1383279.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U									
CHLORIDE				5.8 MG/L		-							25 MG/L		NV
FLUORIDE				.27 MG/L		J							.3 MG/L		NV
NITRATE				.1 MG/L		R							.02 MG/L		UNV
NITRATE, AS NITROGEN													.02 MG/L		UNV
PHENOLS				.01 MG/L		U							.005 MG/L		UNV
PHOSPHORUS				.24 MG/L		-									
SULFATE				120 MG/L		-							187 MG/L		NV
TOTAL ORGANIC CARBON													3 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN				.4 MG/L		-									
INORGANICS															
ALUMINUM										.5 MG/L		UNV	2.66 MG/L		NV
ANTIMONY										.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC	.2 MG/L		U							.0025 MG/L		UNV	.003 MG/L		NV
BARIUM	.073 MG/L		-							.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM										.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM	.005 MG/L		U							.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	128 MG/L		-							137 MG/L		NV	195 MG/L		NV
CHROMIUM	.02 MG/L		U										.018 MG/L		NV
COBALT										.025 MG/L		UNV	.025 MG/L		UNV
COPPER	.01 MG/L		U							.025 MG/L		UNV	.231 MG/L		NV
IRON	1.721 MG/L		-							2.98 MG/L		NV	8.7 MG/L		NV
LEAD	.05 MG/L		UJ							.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM	34.4 MG/L		-							30.8 MG/L		NV	46.8 MG/L		NV

SAMPLE NUMBER:	003100			003100			EMGW_SYSGEN_565			EMGW_SYSGEN_565			EMGW_SYSGEN_565		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE	.278 MG/L		-							.312 MG/L		NV	.424 MG/L		NV
MERCURY	.0002 MG/L		U							.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.02 MG/L		U							.025 MG/L		UNV	.025 MG/L		UNV
NICKEL	.02 MG/L		U							.005 MG/L		UNV	.005 MG/L		UNV
POTASSIUM	2.83 MG/L		J							2.5 MG/L		NV	2.96 MG/L		NV
SELENIUM	.2 MG/L		U							.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER	.01 MG/L		UJ							.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	10.4 MG/L		-							12.1 MG/L		NV	13.5 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM										.05 MG/L		UNV	.05 MG/L		UNV
ZINC										.02 MG/L		UNV	.062 MG/L		NV
RADIONUCLIDES															
URANIUM-238				1.5 PCI/L	.5	J	.696 PCI/L		NV						
URANIUM, TOTAL				3 UG/L	1	R	1.97 UG/L		NV						
URANIUM-234				1.1 PCI/L	.4	J	.895 PCI/L		NV						
THORIUM-230				1.7 PCI/L	.8	J	.427 PCI/L		NV						
RADIUM-226				1.4 PCI/L	.7	J	1 PCI/L		UNV						
URANIUM-235/236				1 PCI/L		UJ	.2 PCI/L		UNV						
THORIUM-232				1 PCI/L		UJ	.36 PCI/L		UNV						
THORIUM, TOTAL							3.2 UG/L		UNV						
RADIUM-228				3 PCI/L		UJ	3 PCI/L		UNV						
THORIUM-228				1.5 PCI/L	.7	J	.454 PCI/L		NV						
NEPTUNIUM-237				1 PCI/L		R									
PLUTONIUM-239/240				1 PCI/L		UJ									
PLUTONIUM-238				1 PCI/L		UJ									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA							21 PCI/L		UNV						
GROSS BETA							14.4 PCI/L		NV						
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV

SAMPLE NUMBER:	003100			003100			EMGW_SYSGEN_565			EMGW_SYSGEN_565			EMGW_SYSGEN_565		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930920-3	GW930920-3	GW930920-3	GW930920-3	EMGW_SYSGEN_563
TASK:	RCRA	RCRA	RCRA	RCRA	GWMON
LAB:	CORE	FERMCO	NET	NET	IT
WELL OR BORING NUMBER:	2051	2051	2051	2051	2051
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-SEP-93	20-SEP-93	20-SEP-93	20-SEP-93	21-FEB-90
NORTH COORDINATE:	481597.05	481597.05	481597.05	481597.05	481597.05
EAST COORDINATE:	1383279.97	1383279.97	1383279.97	1383279.97	1383279.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										291 MG/L		-			
AMMONIA										.08 MG/L		-			
BICARBONATE ALKALINITY										342 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										25 MG/L		-			
FLUORIDE										.3 MG/L		-			
NITRATE/NITRITE										.02 MG/L		UR			
PH										7.17 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.1 MG/L		U			
SPECIFIC CONDUCTIVITY										902 UMHOS/CM		-			
SULFATE										149 MG/L		-			
TOTAL DISSOLVED SOLIDS							544 MG/L		-						
TOTAL KJELDAHL NITROGEN										.16 MG/L		-			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.1 MG/L		U			
TOTAL SOLIDS										550 MG/L		-			
INORGANICS															
ALUMINUM										.02 MG/L		U			
ANTIMONY										.03 MG/L		U			
ARSENIC										.002 MG/L		U			
BARIUM										.0625 MG/L		-			
BERYLLIUM										.001 MG/L		U			
CADMIUM										.003 MG/L		U			

SAMPLE NUMBER:	GW930920-3			GW930920-3			GW930920-3			GW930920-3			EMGW_SYSGEN_563		
LAB:	CORE			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM										117 MG/L		-			
CHROMIUM										.006 MG/L		U			
COBALT										.0076 MG/L		-			
COPPER										.003 MG/L		U			
CYANIDE										.01 MG/L		U			
IRON										2.9 MG/L		-			
LEAD										.002 MG/L		U			
MAGNESIUM										29.2 MG/L		-			
MANGANESE										.237 MG/L		-			
MERCURY										.0002 MG/L		U			
NICKEL										.01 MG/L		U			
POTASSIUM										2.56 MG/L		U			
SELENIUM										.002 MG/L		U			
SILVER										.004 MG/L		U			
SODIUM										12.6 MG/L		-			
THALLIUM										.002 MG/L		U			
VANADIUM										.003 MG/L		U			
ZINC										.0077 MG/L		U			
RADIONUCLIDES															
URANIUM-238	.3 PCI/L	.3	J										1 PCI/L		UNV
URANIUM, TOTAL	.55 UG/L	.1	-	.7 UG/L		NV							2.7 UG/L		NV
URANIUM-234	.2 PCI/L	.2	UJ										1 PCI/L		UNV
THORIUM-230	.6 PCI/L	.3	-										1 PCI/L		UNV
RADIUM-226	1.4 PCI/L	.4	-												
URANIUM-235/236	.2 PCI/L	1.6	UJ												
THORIUM-232	.2 PCI/L	.2	UJ												
THORIUM, TOTAL	1.82405416 PCI/L		NV												
RADIUM-228	3 PCI/L	1	U												
THORIUM-228	.2 PCI/L	.3	UJ										1 PCI/L		UNV
TECHNETIUM-99	15 PCI/L	8.5	U										15 PCI/L		UNV
GROSS ALPHA	3.1 PCI/L	1.8	U												
GROSS BETA	4.2 PCI/L	2.2	-												
URANIUM-235	.2 PCI/L	1.6	UJ										1 PCI/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			

SAMPLE NUMBER:	GW930920-3			GW930920-3			GW930920-3			GW930920-3			EMGW_SYSGEN_563		
LAB:	CORE			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		UJ			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_563			EMGW_SYSGEN_563			GW930722-17			GW930722-17			GW930722-17		
TASK:	GWMON			GWMON			RCRA			RCRA			RCRA		
LAB:	NET			NET			CORE			FERMCO			NET		
WELL OR BORING NUMBER:	2051			2051			2051			2051			2051		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	21-FEB-90			21-FEB-90			22-JUL-93			22-JUL-93			22-JUL-93		
NORTH COORDINATE:	481597.05			481597.05			481597.05			481597.05			481597.05		
EAST COORDINATE:	1383279.97			1383279.97			1383279.97			1383279.97			1383279.97		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE				26 MG/L		NV									
FLUORIDE				.48 MG/L		NV									
NITRATE, AS NITROGEN				.05 MG/L		NV									
PHENOLS				.005 MG/L		UNV									
SULFATE				259 MG/L		NV									
TOTAL DISSOLVED SOLIDS													535 MG/L		-
TOTAL ORGANIC CARBON				1 MG/L		NV									
TOTAL ORGANIC HALOGENS				.023 MG/L		NV									
INORGANICS															
ALUMINUM	.05 MG/L		UNV	1.86 MG/L		NV							.02 MG/L		U
ANTIMONY													.03 MG/L		U
ARSENIC	.0025 MG/L		UNV	.003 MG/L		NV							.003 MG/L		U
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV							.0476 MG/L		-
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.001 MG/L		U
CADMIUM													.003 MG/L		U
CALCIUM	151 MG/L		NV	255 MG/L		NV							117 MG/L		-
CHROMIUM				.005 MG/L		UNV							.0067 MG/L		-
COBALT	.025 MG/L		UNV	.025 MG/L		UNV							.005 MG/L		U
COPPER	.025 MG/L		UNV	.039 MG/L		NV							.0071 MG/L		U
IRON	1.33 MG/L		NV	10.6 MG/L		NV							2.31 MG/L		-
LEAD	.005 MG/L		UNV	.008 MG/L		NV							.002 MG/L		U
MAGNESIUM	33.3 MG/L		NV	63.8 MG/L		NV							26.6 MG/L		-
MANGANESE	.325 MG/L		NV	.588 MG/L		NV							.253 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL	.007 MG/L		NV	.013 MG/L		NV							.01 MG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_563			EMGW_SYSGEN_563			GW930722-17			GW930722-17			GW930722-17		
LAB:	NET			NET			CORE			FERMCO			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM													1.94 MG/L		-
SELENIUM													.001 MG/L		U
SILVER	.001 MG/L		UNV	.001 MG/L		UNV							.004 MG/L		U
SODIUM	19.5 MG/L		NV	24.9 MG/L		NV							9.26 MG/L		-
THALLIUM													.002 MG/L		U
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV							.003 MG/L		U
ZINC	.02 MG/L		UNV	.056 MG/L		NV							.0172 MG/L		U
RADIONUCLIDES															
URANIUM-238							.3 PCI/L	1.6	J						
URANIUM, TOTAL							5 UG/L	.3	-	.5 UG/L		NV			
URANIUM-234							.6 PCI/L	1.7	J						
THORIUM-230							.3 PCI/L	.2	UJ						
RADIUM-226							1 PCI/L	.4	U						
URANIUM-235/236							.2 PCI/L	.1	UJ						
THORIUM-232							.2 PCI/L	.1	U						
RADIUM-228							3 PCI/L	1.1	U						
THORIUM-228							.2 PCI/L	.2	U						
PLUTONIUM-239/240							1 PCI/L	1.8	NV						
PLUTONIUM-238							.5 PCI/L	2.2	UNV						
STRONTIUM-90							1 PCI/L	.4	U						
TECHNETIUM-99							15 PCI/L	7.4	UJ						
CESIUM-137							4 PCI/L	1.6	UNV						
GROSS ALPHA							2.9 PCI/L	1.7	UJ						
GROSS BETA							21.1 PCI/L	3.2	-						
VOLATILES															
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
ACETONE				2 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930722-17	066454	066454	003837	003837
TASK:	RCRA	9.25	9.25	3.2.4	3.2.4
LAB:	NET	IT	IT	IT	IT
WELL OR BORING NUMBER:	2051	2051	2051	2051	2051
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-JUL-93	22-JUN-89	22-JUN-89	23-JAN-89	23-JAN-89
NORTH COORDINATE:	481597.05	481597.05	481597.05	481597.05	481597.05
EAST COORDINATE:	1383279.97	1383279.97	1383279.97	1383279.97	1383279.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	258 MG/L		-												
AMMONIA	.1 MG/L		U										.121 MG/L		J
BICARBONATE ALKALINITY	336 MG/L		-												
CARBONATE ALKALINITY	3 MG/L		U												
CHLORIDE	24 MG/L		-				26.4 MG/L		-				24 MG/L		J
FLUORIDE	.28 MG/L		-				.27 MG/L		-				.15 MG/L		J
NITRATE	.02 MG/L		UR				.1 MG/L		UR				.1 MG/L		R
NITRATE/NITRITE	.02 MG/L		UR												
PH	7.49 SU		-										.03 MG/L		J
PHENOLS	.01 MG/L		U										.03 MG/L		J
PHOSPHORUS	.1 MG/L		U												
SPECIFIC CONDUCTIVITY	764 UMHOS/CM		-												
SULFATE	136 MG/L		-				799 MG/L		-				119 MG/L		J
TOTAL KJELDAHL NITROGEN													.336 MG/L		J
TOTAL ORGANIC CARBON	1 MG/L		U				6.02 MG/L		J						
TOTAL ORGANIC HALIDES							.01 MG/L		U				.023 MG/L		-
TOTAL ORGANIC HALOGENS	.01 MG/L		U												
TOTAL ORGANIC NITROGEN													.215 MG/L		J
TOTAL SOLIDS	699 MG/L		-												
INORGANICS															
ALUMINUM	.02 MG/L		U	.181 MG/L		-									
ANTIMONY	.03 MG/L		U												
ARSENIC	.003 MG/L		U							.002 MG/L		UJ			
BARIUM	.051 MG/L		-	.0938 MG/L		-				.078 MG/L		J			
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									

SAMPLE NUMBER:	GW930722-17			066454			066454			003837			003837		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM	.003 MG/L		U							.006 MG/L		J			
CALCIUM	124 MG/L		-	249 MG/L		-				131 MG/L		J			
CHROMIUM	.006 MG/L		U	.0472 MG/L		-				.026 MG/L		J			
COBALT	.005 MG/L		U	.01 MG/L		U									
COPPER	.0077 MG/L		U	.01 MG/L		U				.012 MG/L		J			
CYANIDE	.01 MG/L		UJ												
IRON	2.66 MG/L		-	5.06 MG/L		-				2.95 MG/L		J			
LEAD	.002 MG/L		U	.002 MG/L		U				.002 MG/L		UJ			
MAGNESIUM	28 MG/L		-	59.9 MG/L		-				34.8 MG/L		J			
MANGANESE	.263 MG/L		-							.22 MG/L		J			
MERCURY	.0002 MG/L		U							.0004 MG/L		J			
MOLYBDENUM										.02 MG/L		UJ			
NICKEL	.01 MG/L		U	.0248 MG/L		-				.02 MG/L		UJ			
POTASSIUM	1.97 MG/L		-							2.28 MG/L		J			
SELENIUM	.001 MG/L		U							.002 MG/L		UJ			
SILVER	.004 MG/L		U	.0205 MG/L		-				.0005 MG/L		UJ			
SODIUM	9.59 MG/L		-							13.2 MG/L		J			
THALLIUM	.002 MG/L		U												
VANADIUM	.003 MG/L		U	.0365 MG/L		-									
ZINC	.005 MG/L		U	.039 MG/L		-									
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.051 UG/L		U												
ALPHA-BHC	.051 UG/L		U												
ALPHA-CHLORDANE	.051 UG/L		U												
AROCLOR-1016	1 UG/L		U												
AROCLOR-1221	2 UG/L		U												
AROCLOR-1232	1 UG/L		U												
AROCLOR-1242	1 UG/L		U												
AROCLOR-1248	1 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.051 UG/L		U												
DELTA-BHC	.051 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.051 UG/L		U												

SAMPLE NUMBER:	GW930722-17			066454			066454			003837			003837		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDRIN	.1 UG/L		U												
ENDRIN ALDEHYDE	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.051 UG/L		U												
GAMMA-CHLORDANE	.051 UG/L		U												
HEPTACHLOR	.051 UG/L		U												
HEPTACHLOR EPOXIDE	.051 UG/L		U												
METHOXYCHLOR	.51 UG/L		U												
TOXAPHENE	5.1 UG/L		U												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL							1 UG/L		U				2 UG/L	1	-
URANIUM-234							1 PCI/L		U				1 PCI/L		U
THORIUM-230							1 PCI/L		U				1 PCI/L		U
RADIUM-226													1 PCI/L		U
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													3 UG/L		U
RADIUM-228													3.1 PCI/L		U
THORIUM-228							1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	26 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	26 UG/L		UR												
2,4-DINITROTOLUENE	10 UG/L		U												

SAMPLE NUMBER:	GW930722-17			066454			066454			003837			003837		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,6-DINITROTOLUENE	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												
2-NITROANILINE	26 UG/L		U												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	10 UG/L		U												
3-NITROANILINE	26 UG/L		U												
4,6-DINITRO-2-METHYLPHENOL	26 UG/L		U												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	26 UG/L		U												
4-NITROPHENOL	26 UG/L		U												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UJ												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U												
BUTYL BENZYL PHTHALATE	10 UG/L		UJ												
CARBAZOLE	10 UG/L		UJ												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		U												
DI-N-OCTYL PHTHALATE	10 UG/L		U												
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		U												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		U												

SAMPLE NUMBER:	GW930722-17			066454			066454			003837			003837		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U												
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		U												
PENTACHLOROPHENOL	26 UG/L		UJ												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U										.03 MG/L		J
PYRENE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U				5 UG/L		U						
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		U				28 UG/L		U						
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		UJ												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		UR												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U				9 UG/L		U						

SAMPLE NUMBER:	GW930722-17			066454			066454			003837			003837		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U				5 UG/L		U						
TOLUENE	10 UG/L		U				5 UG/L		UJ						
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U				5 UG/L		U						
VINYL CHLORIDE	10 UG/L		UJ												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_569			EMGW_SYSGEN_569			EMGW_SYSGEN_569			EMGW_SYSGEN_569D			EMGW_SYSGEN_569D		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			NET			WMCO			NET			NET		
WELL OR BORING NUMBER:	2051			2051			2051			2051			2051		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	23-JUL-91			23-JUL-91			23-JUL-91			23-JUL-91			23-JUL-91		
NORTH COORDINATE:	481597.05			481597.05			481597.05			481597.05			481597.05		
EAST COORDINATE:	1383279.97			1383279.97			1383279.97			1383279.97			1383279.97		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			DUPLICATE		
QC OF:										EMGW_SYSGEN_569			EMGW_SYSGEN_569		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				317 MG/L		NV							308 MG/L		NV
AMMONIA				.12 MG/L		NV							.12 MG/L		NV
CHLORIDE				25 MG/L		NV							24 MG/L		NV
FLUORIDE				.26 MG/L		NV							.26 MG/L		NV
NITRATE, AS NITROGEN				.02 MG/L		UNV							.02 MG/L		UNV
PH				7 SU		NV							7.07 SU		NV
PHENOLS				.005 MG/L		UNV							.005 MG/L		UNV
PHOSPHORUS				.14 MG/L		NV							.1 MG/L		UNV
SPECIFIC CONDUCTIVITY				849 UMHOS/CM		NV							855 UMHOS/CM		NV
SULFATE				137 MG/L		NV							131 MG/L		NV
TOTAL DISSOLVED SOLIDS				476 MG/L		NV							548 MG/L		NV
TOTAL ORGANIC CARBON				13 MG/L		NV							14 MG/L		NV
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV							.01 MG/L		UNV
INORGANICS															
ALUMINUM	.2 MG/L		UNV	.2 MG/L		UNV				.2 MG/L		UNV	.2 MG/L		UNV
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV				.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC	.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV				.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM	.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	120 MG/L		NV	125 MG/L		NV				122 MG/L		NV	129 MG/L		NV
CHROMIUM				.002 MG/L		UNV							.003 MG/L		NV
COBALT	.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV
COPPER	.02 MG/L		UNV	.02 MG/L		UNV				.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE				.005 MG/L		UNV							.005 MG/L		UNV

001302

6417

SAMPLE NUMBER:	EMGW_SYSGEN_569			EMGW_SYSGEN_569			EMGW_SYSGEN_569			EMGW_SYSGEN_569D			EMGW_SYSGEN_569D		
LAB:	NET			NET			WMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	1.99 MG/L		NV	2.51 MG/L		NV				1.99 MG/L		NV	2.7 MG/L		NV
LEAD	.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM	31 MG/L		NV	32 MG/L		NV				31 MG/L		NV	34 MG/L		NV
MANGANESE	.382 MG/L		NV	.417 MG/L		NV				.385 MG/L		NV	.413 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
NICKEL	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM	2.3 MG/L		NV	2.5 MG/L		NV				2.2 MG/L		NV	2.4 MG/L		NV
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	7.5 MG/L		NV	9.4 MG/L		NV				7.2 MG/L		NV	9.4 MG/L		NV
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.04 MG/L		NV	.036 MG/L		NV				.037 MG/L		NV	.037 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
RADIONUCLIDES															
URANIUM, TOTAL							1.6 UG/L		NV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV							10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1,2-TRICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROPROPANE				1 UG/L		UNV							1 UG/L		UNV
2-BUTANONE				2 UG/L		UNV							2 UG/L		UNV
2-HEXANONE				2 UG/L		UNV							2 UG/L		UNV
4-METHYL-2-PENTANONE				2 UG/L		UNV							2 UG/L		UNV
ACETONE				2 UG/L		UNV							2 UG/L		UNV
BENZENE				1 UG/L		UNV							1 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_569			EMGW_SYSGEN_569			EMGW_SYSGEN_569			EMGW_SYSGEN_569D			EMGW_SYSGEN_569D		
LAB:	NET			NET			WMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
BROMOFORM				1 UG/L		UNV							1 UG/L		UNV
BROMOMETHANE				1 UG/L		UNV							1 UG/L		UNV
CARBON DISULFIDE				1 UG/L		UNV							1 UG/L		UNV
CARBON TETRACHLORIDE				1 UG/L		UNV							1 UG/L		UNV
CHLOROBENZENE				1 UG/L		UNV							1 UG/L		UNV
CHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
CHLOROFORM				1 UG/L		UNV							1 UG/L		UNV
CHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV							1 UG/L		UNV
DIBROMOCHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
ETHYLBENZENE				1 UG/L		UNV							1 UG/L		UNV
METHYLENE CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
STYRENE				1 UG/L		UNV							1 UG/L		UNV
TETRACHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
TOLUENE				1 UG/L		UNV							1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV							1 UG/L		UNV
TRICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
VINYL ACETATE				2 UG/L		UNV							2 UG/L		UNV
VINYL CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
XYLENES, TOTAL				1 UG/L		UNV							1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_569D	EMGW_SYSGEN_567	EMGW_SYSGEN_567	EMGW_SYSGEN_567	003372
TASK:	GWMON	GWMON	GWMON	GWMON	3.2.4
LAB:	WMCO	IT	NET	NET	IT
WELL OR BORING NUMBER:	2051	2051	2051	2051	2051
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-JUL-91	25-FEB-91	25-FEB-91	25-FEB-91	25-JUL-88
NORTH COORDINATE:	481597.05	481597.05	481597.05	481597.05	481597.05
EAST COORDINATE:	1383279.97	1383279.97	1383279.97	1383279.97	1383279.97
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	EMGW_SYSGEN_569				
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										293 MG/L		NV			
AMMONIA										.11 MG/L		NV			
CHLORIDE										26 MG/L		NV			
FLUORIDE										.28 MG/L		NV			
NITRATE, AS NITROGEN										.02 MG/L		UNV			
PH										6.88 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										.49 MG/L		NV			
SPECIFIC CONDUCTIVITY										778 UMHOS/CM		NV			
SULFATE										178 MG/L		NV			
TOTAL DISSOLVED SOLIDS										534 MG/L		NV			
TOTAL ORGANIC CARBON										17 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ALUMINUM							.05 MG/L		NV	1.76 MG/L		NV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.0025 MG/L		UNV	.006 MG/L		NV	.01 MG/L		U
BARIUM							.221 MG/L		NV	.219 MG/L		NV	.5 MG/L		U
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV	.005 MG/L		U
CALCIUM							91.3 MG/L		NV	127 MG/L		NV	190 MG/L		-
CHROMIUM										.029 MG/L		NV	.01 MG/L		U
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.041 MG/L		NV	.01 MG/L		U
CYANIDE										.01 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_569D			EMGW_SYSGEN_567			EMGW_SYSGEN_567			EMGW_SYSGEN_567			003372		
LAB:	WMCO			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON							1.79 MG/L		NV	18.4 MG/L		NV	4.5 MG/L		-
LEAD							.005 MG/L		UNV	.008 MG/L		NV	.005 MG/L		U
MAGNESIUM							27.7 MG/L		NV	38.8 MG/L		NV	44 MG/L		-
MANGANESE							.225 MG/L		NV	.389 MG/L		NV	.33 MG/L		-
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV	.0004 MG/L		-
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV	.05 MG/L		U
NICKEL							.005 MG/L		UNV	.005 MG/L		UNV	.03 MG/L		U
POTASSIUM							2.54 MG/L		NV	2.76 MG/L		NV	2.1 MG/L		-
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV	.005 MG/L		UJ
SILVER							.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		U
SODIUM							11 MG/L		NV	11.5 MG/L		NV	14 MG/L		-
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.031 MG/L		NV	.063 MG/L		NV			
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				.322 PCI/L		NV									
URANIUM, TOTAL	1.5 UG/L		NV	1.04 UG/L		NV									
URANIUM-234				1.04 PCI/L		NV									
THORIUM-230				.394 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.2 PCI/L		UNV									
THORIUM-232				.2 PCI/L		UNV									
THORIUM, TOTAL				1.4 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				.684 PCI/L		NV									
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
TECHNETIUM-99				21 PCI/L		UNV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				8.1 PCI/L		UNV									
GROSS ALPHA				12 PCI/L		UNV									
GROSS BETA				9.72 PCI/L		NV									
SEMIVOLATILES															

													10 UG/L		UNV			
SAMPLE NUMBER:	EMGW_SYSGEN_569D			EMGW_SYSGEN_567			EMGW_SYSGEN_567			EMGW_SYSGEN_567			003372					
LAB:	WMCO			IT			NET			NET			IT					
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL					
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)			
VOLATILES																		
1,1,1-TRICHLOROETHANE										1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV						
1,1,2-TRICHLOROETHANE										1 UG/L		UNV						
1,1-DICHLOROETHANE										1 UG/L		UNV						
1,1-DICHLOROETHENE										1 UG/L		UNV						
1,2-DICHLOROETHANE										1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV						
1,2-DICHLOROPROPANE										1 UG/L		UNV						
2-BUTANONE										2 UG/L		UNV						
2-HEXANONE										2 UG/L		UNV						
4-METHYL-2-PENTANONE										2 UG/L		UNV						
ACETONE										2 UG/L		UNV						
BENZENE										1 UG/L		UNV						
BROMODICHLOROMETHANE										1 UG/L		UNV						
BROMOFORM										1 UG/L		UNV						
BROMOMETHANE										1 UG/L		UNV						
CARBON DISULFIDE										1 UG/L		UNV						
CARBON TETRACHLORIDE										1 UG/L		UNV						
CHLOROBENZENE										1 UG/L		UNV						
CHLOROETHANE										1 UG/L		UNV						
CHLOROFORM										1 UG/L		UNV						
CHLOROMETHANE										1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV						
DIBROMOCHLOROMETHANE										1 UG/L		UNV						
ETHYLBENZENE										1 UG/L		UNV						
METHYLENE CHLORIDE										1 UG/L		UNV						
STYRENE										1 UG/L		UNV						
TETRACHLOROETHENE										1 UG/L		UNV						
TOLUENE										1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV						
TRICHLOROETHENE										1 UG/L		UNV						
VINYL ACETATE										2 UG/L		UNV						
VINYL CHLORIDE										1 UG/L		UNV						
XYLENES, TOTAL										1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003372			003651			003651			EMGW_SYSGEN_573			EMGW_SYSGEN_575		
TASK:	3.2.4			3.2.4			3.2.4			GWMON			GWMON		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2051			2051			2051			2052			2052		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-JUL-88			26-OCT-88			26-OCT-88			01-MAR-90			02-JUL-90		
NORTH COORDINATE:	481597.05			481597.05			481597.05			482507.16			482507.16		
EAST COORDINATE:	1383279.97			1383279.97			1383279.97			1380139.73			1380139.73		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.07 MG/L		-				.12 MG/L		-						
CHLORIDE	39 MG/L		J				212 MG/L		-						
FLUORIDE	.26 MG/L		J				.33 MG/L		-						
NITRATE	.12 MG/L		J				.1 MG/L		R						
PHENOLS	.002 MG/L		U				.03 MG/L		-						
PHOSPHORUS	.1 MG/L		-				.02 MG/L		U						
SULFATE	311 MG/L		-				166 MG/L		J						
TOTAL KJELDAHL NITROGEN							.36 MG/L		-						
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC NITROGEN	.05 MG/L		R				.24 MG/L		-						
INORGANICS															
ARSENIC				.002 MG/L		U									
BARIUM				.07 MG/L		-									
CADMIUM				.002 MG/L		U									
CALCIUM				154 MG/L		-									
CHROMIUM				.02 MG/L		U									
COPPER				.01 MG/L		U									
IRON				3.2 MG/L		-									
LEAD				.004 MG/L		J									
MAGNESIUM				34.8 MG/L		-									
MANGANESE				.32 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.02 MG/L		U									
NICKEL				.02 MG/L		U									
POTASSIUM				1.83 MG/L		-									

SAMPLE NUMBER:	003372			003651			003651			EMGW_SYSGEN_573			EMGW_SYSGEN_575		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.002 MG/L		U									
SILVER				.0005 MG/L		U									
SODIUM				9.6 MG/L		-									
RADIONUCLIDES															
URANIUM-238	1 PCI/L		UJ				1 PCI/L		R	1.9 PCI/L	.5	NV	7.73 PCI/L		NV
URANIUM, TOTAL	1 UG/L	1	J				1 UG/L		U	5.8 UG/L	1.5	NV	23.2 UG/L		NV
URANIUM-234	1 PCI/L		UJ				1.6 PCI/L	.4	J	2.3 PCI/L	.5	NV	10.1 PCI/L		NV
THORIUM-230	1 PCI/L		UJ				1 PCI/L		UJ				.2 PCI/L		UNV
RADIUM-226	1 PCI/L		U				1 PCI/L		U				1 PCI/L		UNV
URANIUM-235/236	1 PCI/L		UJ				1 PCI/L		UJ				.498 PCI/L		NV
THORIUM-232	1 PCI/L		UJ				1 PCI/L		UJ				.2 PCI/L		UNV
THORIUM, TOTAL	4 UG/L		UJ				4 UG/L		UJ				1.3 UG/L		UNV
RADIUM-228	3 PCI/L		U				3 PCI/L		U				3 PCI/L		UNV
THORIUM-228	1 PCI/L		UJ				1 PCI/L		UJ				.614 PCI/L		NV
NEPTUNIUM-237	1 PCI/L		UJ				1 PCI/L		UJ						
PLUTONIUM-239/240	1 PCI/L		UJ				1 PCI/L		UJ						
PLUTONIUM-238	1 PCI/L		UJ				1 PCI/L		UJ						
STRONTIUM-90	5 PCI/L		U				1 PCI/L		U						
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U						
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R						
CESIUM-137	20 PCI/L		R				20 PCI/L		R						
GROSS ALPHA													33.1 PCI/L		NV
GROSS BETA													62.9 PCI/L		NV
URANIUM-235	1 PCI/L		UJ				1 PCI/L		UJ	1 PCI/L		UNV	.498 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_575			EMGW_SYSGEN_582			EMGW_SYSGEN_582			EMGW_SYSGEN_582			066847		
TASK:	GWMON			GWMON			GWMON			GWMON			9.25		
LAB:	NET			NET			NET			WMCO			IT		
WELL OR BORING NUMBER:	2052			2052			2052			2052			2052		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-JUL-90			02-OCT-91			02-OCT-91			02-OCT-91			04-JAN-90		
NORTH COORDINATE:	482507.16			482507.16			482507.16			482507.16			482507.16		
EAST COORDINATE:	1380139.73			1380139.73			1380139.73			1380139.73			1380139.73		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							330 MG/L		NV						
AMMONIA							.17 MG/L		NV						
CHLORIDE	18 MG/L		NV				20 MG/L		NV						
FLUORIDE							.28 MG/L		NV						
NITRATE, AS NITROGEN	.14 MG/L		NV				.02 MG/L		UNV						
PH							6.97 SU		NV						
PHENOLS							.005 MG/L		UNV						
PHOSPHORUS							.51 MG/L		NV						
SPECIFIC CONDUCTIVITY							831 UMHOS/CM		NV						
SULFATE	500 MG/L		NV				176 MG/L		NV						
TOTAL DISSOLVED SOLIDS							572 MG/L		NV						
TOTAL ORGANIC CARBON	2 MG/L		NV				7 MG/L		NV						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.2 MG/L		UNV	.5 MG/L		NV						
ANTIMONY				.02 MG/L		UNV	.02 MG/L		UNV						
ARSENIC				.005 MG/L		UNV	.005 MG/L		UNV						
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV						
BERYLLIUM				.005 MG/L		UNV	.005 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV						
CALCIUM				140 MG/L		NV	150 MG/L		NV						
CHROMIUM							.0058 MG/L		NV						
COBALT				.005 MG/L		UNV	.005 MG/L		UNV						
COPPER				.02 MG/L		UNV	.02 MG/L		UNV						
CYANIDE							.005 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_575			EMGW_SYSGEN_582			EMGW_SYSGEN_582			EMGW_SYSGEN_582			066847		
LAB:	NET			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				1.6 MG/L		NV	5.6 MG/L		NV						
LEAD				.003 MG/L		UNV	.003 MG/L		UNV						
MAGNESIUM				32 MG/L		NV	34 MG/L		NV						
MANGANESE				.713 MG/L		NV	.989 MG/L		NV						
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM				.01 MG/L		UNV	.01 MG/L		UNV						
NICKEL				.01 MG/L		UNV	.01 MG/L		UNV						
POTASSIUM				1.5 MG/L		NV	1.5 MG/L		NV						
SELENIUM				.005 MG/L		UNV	.005 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM				11 MG/L		NV	17 MG/L		NV						
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC				.051 MG/L		NV	.067 MG/L		NV						
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238													3.11 PCI/L	.56	-
URANIUM, TOTAL										9.4 UG/L		NV	10.1 UG/L	1.1	J
URANIUM-234													2.94 PCI/L	.54	R
THORIUM-230													1 PCI/L		U
URANIUM-235/236													1 PCI/L		U
THORIUM-228													1 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				1 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_575			EMGW_SYSGEN_582			EMGW_SYSGEN_582			EMGW_SYSGEN_582			066847		
LAB:	NET			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV						
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV						
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV						
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV						
ACETONE	2 UG/L		UNV				2 UG/L		UNV						
BENZENE	1 UG/L		UNV				1 UG/L		UNV						
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV						
BROMOMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV						
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV						
CHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV						
METHYLENE CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
STYRENE	1 UG/L		UNV				1 UG/L		UNV						
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TOLUENE	1 UG/L		UNV				1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
VINYL ACETATE	2 UG/L		UNV				2 UG/L		UNV						
VINYL CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003892			003892			003587			003587			EMGW_SYSGEN_577		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			GWMON		
LAB:	IT			IT			IT			IT			NET		
WELL OR BORING NUMBER:	2052			2052			2052			2052			2052		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	08-FEB-89			08-FEB-89			13-SEP-88			13-SEP-88			14-NOV-90		
NORTH COORDINATE:	482507.16			482507.16			482507.16			482507.16			482507.16		
EAST COORDINATE:	1380139.73			1380139.73			1380139.73			1380139.73			1380139.73		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN										.64 NG/L		U			
2,3,7,8-TETRACHLORODIBENZOFURAN										.33 NG/L		U			
HEPTACHLORODIBENZO-P-DIOXINS										.18 NG/L		U			
HEPTACHLORODIBENZOFURANS										.28 NG/L		U			
HEXACHLORODIBENZO-P-DIOXINS										1 NG/L		U			
HEXACHLORODIBENZOFURANS										.48 NG/L		U			
OCTACHLORODIBENZO-P-DIOXIN										1.4 NG/L		U			
OCTACHLORODIBENZOFURAN										.97 NG/L		U			
PENTACHLORODIBENZO-P-DIOXINS										1.2 NG/L		U			
PENTACHLORODIBENZOFURANS										.42 NG/L		U			
TETRACHLORODIBENZO-P-DIOXINS										.5 NG/L		U			
TETRACHLORODIBENZOFURANS										.72 NG/L		U			
GENERAL CHEMISTRY															
AMMONIA				.32 MG/L		J				.32 MG/L		-			
CHLORIDE				22 MG/L		J				30 MG/L		-			
FLUORIDE				.23 MG/L		J				.32 MG/L		-			
NITRATE				.1 MG/L		R				.17 MG/L		R			
PHENOLS				.01 MG/L		UJ				.02 MG/L		J			
PHOSPHORUS				.48 MG/L		J				.01 MG/L		U			
SULFATE				153 MG/L		J				178 MG/L		-			

SAMPLE NUMBER:	003892			003892			003587			003587			EMGW_SYSGEN_577		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
TOTAL KJELDAHL NITROGEN				.651 MG/L		J									
TOTAL ORGANIC HALIDES				.018 MG/L		J				.05 MG/L		U			
TOTAL ORGANIC NITROGEN				.331 MG/L		J				.4 MG/L		-			
INORGANICS															
ALUMINUM							.05 MG/L		U	.09 MG/L		-	.5 MG/L		UNV
ANTIMONY							.0005 MG/L		-	.0008 MG/L		-	.025 MG/L		UNV
ARSENIC	.002 MG/L		UJ				.002 MG/L		U	.002 MG/L		U	.003 MG/L		NV
BARIUM	.138 MG/L		J				.144 MG/L		-	.139 MG/L		J	.2 MG/L		UNV
BERYLLIUM							.001 MG/L		U	.001 MG/L		U	.01 MG/L		UNV
CADMIUM	.007 MG/L		J				.002 MG/L		U	.002 MG/L		U	.001 MG/L		UNV
CALCIUM	142 MG/L		J				129 MG/L		-	123 MG/L		-	144 MG/L		NV
CHROMIUM	.031 MG/L		J				.02 MG/L		U	.02 MG/L		U			
COBALT							.01 MG/L		U	.01 MG/L		U	.025 MG/L		UNV
COPPER	.012 MG/L		J				.01 MG/L		U	.01 MG/L		U	.025 MG/L		UNV
CYANIDE										.01 MG/L		UJ			
IRON	3.77 MG/L		J				3.61 MG/L		-	3.43 MG/L		-	.625 MG/L		NV
LEAD	.002 MG/L		UJ				.0066 MG/L		-	.0034 MG/L		J	.005 MG/L		UNV
MAGNESIUM	32.9 MG/L		J				28.6 MG/L		-	27.3 MG/L		-	1 MG/L		UNV
MANGANESE	.247 MG/L		J				.244 MG/L		-	.226 MG/L		-	.508 MG/L		NV
MERCURY	.0002 MG/L		UJ				.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		UNV
MOLYBDENUM	.02 MG/L		UJ				.02 MG/L		U	.02 MG/L		U	.025 MG/L		UNV
NICKEL	.02 MG/L		UJ				.02 MG/L		U	.02 MG/L		U	.005 MG/L		UNV
POTASSIUM	1.16 MG/L		J				1.12 MG/L		-	1.03 MG/L		-	2.14 MG/L		NV
SELENIUM	.004 MG/L		J				.002 MG/L		U	.002 MG/L		U	.0025 MG/L		UNV
SILVER	.0005 MG/L		UJ				.0005 MG/L		U	.0005 MG/L		U	.001 MG/L		UNV
SODIUM	14.2 MG/L		J				15.8 MG/L		-	14.9 MG/L		-	8 MG/L		NV
THALLIUM							.001 MG/L		U	.001 MG/L		U	.01 MG/L		UNV
VANADIUM							.01 MG/L		U	.015 MG/L		-	.05 MG/L		UNV
ZINC							.028 MG/L		-	.027 MG/L		-	.02 MG/L		UNV
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL										5 UG/L		U			
DEMETON										.5 UG/L		U			
DIAZINON										.5 UG/L		U			
DISULFOTON										.5 UG/L		U			
ETHION										.5 UG/L		U			
MALATHION										.5 UG/L		U			
METHYL PARATHION										.5 UG/L		U			
PARATHION										.5 UG/L		U			

SAMPLE NUMBER:	003892			003892			003587			003587			EMGW_SYSGEN_577		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDD										.1 UG/L		U			
4,4'-DDE										.1 UG/L		U			
4,4'-DDT										.1 UG/L		U			
ALDRIN										.05 UG/L		U			
ALPHA-BHC										.05 UG/L		U			
ALPHA-CHLORDANE										.5 UG/L		U			
AROCLOR-1016										.5 UG/L		U			
AROCLOR-1221										.5 UG/L		U			
AROCLOR-1232										.5 UG/L		U			
AROCLOR-1242										.5 UG/L		U			
AROCLOR-1248										.5 UG/L		U			
AROCLOR-1254										1 UG/L		U			
AROCLOR-1260										1 UG/L		U			
BETA-BHC										.05 UG/L		U			
DELTA-BHC										.05 UG/L		U			
DIELDRIN										.1 UG/L		U			
ENDOSULFAN II										.1 UG/L		U			
ENDOSULFAN SULFATE										.1 UG/L		U			
ENDOSULFAN-I										.05 UG/L		U			
ENDRIN										.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)										.05 UG/L		U			
GAMMA-CHLORDANE										.5 UG/L		U			
HEPTACHLOR										.05 UG/L		U			
HEPTACHLOR EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.5 UG/L		U			
TOXAPHENE										1 UG/L		U			
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		U			
URANIUM, TOTAL				1 UG/L		U				1 UG/L		U			
URANIUM-234				1 PCI/L		U				1 PCI/L		U			
THORIUM-230				1 PCI/L		U				1 PCI/L		UJ			
RADIUM-226				1 PCI/L		U				1 PCI/L		R			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		UJ			
THORIUM, TOTAL				2 UG/L		U				3 UG/L		UJ			
RADIUM-228				3 PCI/L		UJ				5.9 PCI/L	1.5	R			
THORIUM-228				1 PCI/L		U				1 PCI/L		UJ			
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			

SAMPLE NUMBER:	003892			003892			003587			003587			EMGW_SYSGEN_577		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		U			
1,2-DICHLOROBENZENE										10 UG/L		U			
1,3-DICHLOROBENZENE										10 UG/L		U			
1,4-DICHLOROBENZENE										10 UG/L		U			
2,4,5-TRICHLOROPHENOL										50 UG/L		U			
2,4,6-TRICHLOROPHENOL										10 UG/L		U			
2,4-DICHLOROPHENOL										10 UG/L		U			
2,4-DIMETHYLPHENOL										10 UG/L		U			
2,4-DINITROPHENOL										50 UG/L		U			
2,4-DINITROTOLUENE										10 UG/L		U			
2,6-DINITROTOLUENE										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		U			
2-CHLOROPHENOL										10 UG/L		U			
2-METHYLNAPHTHALENE										10 UG/L		U			
2-METHYLPHENOL										10 UG/L		U			
2-NITROANILINE										50 UG/L		UJ			
2-NITROPHENOL										10 UG/L		U			
3,3'-DICHLOROBENZIDINE										20 UG/L		U			
3-NITROANILINE										50 UG/L		R			
4,6-DINITRO-2-METHYLPHENOL										50 UG/L		U			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLORO-3-METHYLPHENOL										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			
4-NITROANILINE										50 UG/L		U			
4-NITROPHENOL										50 UG/L		UJ			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		U			
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		UJ			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			

SAMPLE NUMBER:	003892			003892			003587			003587			EMGW_SYSGEN_577		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZOIC ACID										50 UG/L		UJ			
BENZYL ALCOHOL										10 UG/L		UJ			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		UJ			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		UJ			
BIS(2-ETHYLHEXYL)PHTHALATE										10 UG/L		U			
BUTYL BENZYL PHTHALATE										10 UG/L		UJ			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										10 UG/L		UJ			
DI-N-OCTYL PHTHALATE										10 UG/L		U			
DIBENZO(A,H)ANTHRACENE										10 UG/L		U			
DIBENZOFURAN										10 UG/L		U			
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		U			
HEXACHLOROBENZENE										10 UG/L		U			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		U			
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		U			
ISOPHORONE										10 UG/L		UJ			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		UJ			
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		UJ			
P-CHLOROANILINE										10 UG/L		R			
PENTACHLOROPHENOL										50 UG/L		U			
PHENANTHRENE										10 UG/L		U			
PHENOL				.01 MG/L		UJ				10 UG/L		U			
PYRENE										10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE										5 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										5 UG/L		U			
1,1,2-TRICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHENE										5 UG/L		U			
1,2-DICHLOROETHANE										5 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										5 UG/L		U			

SAMPLE NUMBER:	003892			003892			003587			003587			EMGW_SYSGEN_577		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE										5 UG/L		U			
2-BUTANONE										10 UG/L		R			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										4 UG/L		J			
BENZENE										5 UG/L		U			
BROMODICHLOROMETHANE										5 UG/L		U			
BROMOFORM										5 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										5 UG/L		U			
CARBON TETRACHLORIDE										5 UG/L		U			
CHLOROBENZENE										5 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										5 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										5 UG/L		U			
DIBROMOCHLOROMETHANE										5 UG/L		U			
ETHYLBENZENE										5 UG/L		U			
METHYLENE CHLORIDE										5 UG/L		U			
STYRENE										5 UG/L		U			
TETRACHLOROETHENE										5 UG/L		U			
TOLUENE										5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		U			
TRICHLOROETHENE										5 UG/L		U			
VINYL ACETATE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_577			003476			003476			003791			003791		
TASK:	GWMON			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2052			2052			2052			2052			2052		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	14-NOV-90			16-DEC-88			16-DEC-88			16-DEC-88			16-DEC-88		
NORTH COORDINATE:	482507.16			482507.16			482507.16			482507.16			482507.16		
EAST COORDINATE:	1380139.73			1380139.73			1380139.73			1380139.73			1380139.73		
QA TYPE:	NORMAL			DUPLICATE			DUPLICATE			NORMAL			NORMAL		
QC OF:				003791			003791								
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	271 MG/L		NV												
AMMONIA	.09 MG/L		NV				.53 MG/L		-				.68 MG/L		-
CHLORIDE	16 MG/L		NV				8 MG/L		J				12 MG/L		J
FLUORIDE	.27 MG/L		NV				.32 MG/L		-				.36 MG/L		-
NITRATE	.07 MG/L		NV				.1 MG/L		R				.1 MG/L		R
NITRATE/NITRITE	.07 MG/L		NV												
PH	6.96 SU		NV				.01 MG/L		U				.01 MG/L		U
PHENOLS	.005 MG/L		UNV				.01 MG/L		U				.01 MG/L		U
PHOSPHORUS	1.29 MG/L		NV				1.89 MG/L		-				6.99 MG/L		-
SPECIFIC CONDUCTIVITY	791 UMHOS/CM		NV												
SULFATE	196 MG/L		NV				120 MG/L		J				125 MG/L		J
TOTAL DISSOLVED SOLIDS	718 MG/L		NV												
TOTAL KJELDAHL NITROGEN							1.94 MG/L		J				3.63 MG/L		J
TOTAL ORGANIC CARBON	4 MG/L		NV												
TOTAL ORGANIC HALIDES							.018 MG/L		J				.017 MG/L		J
TOTAL ORGANIC HALOGENS	.108 MG/L		NV												
TOTAL ORGANIC NITROGEN							1.41 MG/L		-				2.95 MG/L		-
INORGANICS															
ALUMINUM	.5 MG/L		UNV												
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.006 MG/L		NV	.002 MG/L		UJ				.002 MG/L		UJ			
BARIUM	.2 MG/L		UNV	.156 MG/L		-				.15 MG/L		-			
BERYLLIUM	.01 MG/L		UNV												
CADMIUM	.001 MG/L		UNV	.002 MG/L		U				.002 MG/L		U			
CALCIUM	159 MG/L		NV	147 MG/L		-				146 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_577			003476			003476			003791			003791		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM	.005 MG/L		UNV	.02 MG/L		U				.02 MG/L		U			
COBALT	.025 MG/L		UNV												
COPPER	.025 MG/L		UNV	.01 MG/L		U				.01 MG/L		U			
CYANIDE	.005 MG/L		UNV												
IRON	7.6 MG/L		NV	4.19 MG/L		J				4.21 MG/L		J			
LEAD	.005 MG/L		UNV	.002 MG/L		UJ				.002 MG/L		UJ			
MAGNESIUM	19.5 MG/L		NV	32.6 MG/L		-				32.6 MG/L		-			
MANGANESE	.702 MG/L		NV	.259 MG/L		-				.27 MG/L		-			
MERCURY	.0002 MG/L		UNV	.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM	.025 MG/L		UNV	.027 MG/L		U				.048 MG/L		U			
NICKEL	.005 MG/L		UNV	.02 MG/L		U				.02 MG/L		U			
POTASSIUM	2.12 MG/L		NV	.917 MG/L		-				.917 MG/L		-			
SELENIUM	.0025 MG/L		UNV	.002 MG/L		UJ				.002 MG/L		UJ			
SILVER	.001 MG/L		UNV	.0005 MG/L		R				.0005 MG/L		R			
SODIUM	15.1 MG/L		NV	15.1 MG/L		-				14.8 MG/L		-			
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV												
ZINC	.02 MG/L		UNV												
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL							1 UG/L		U				1 UG/L		U
URANIUM-234							1 PCI/L		U				1 PCI/L		U
THORIUM-230							1 PCI/L		U				1 PCI/L		U
RADIUM-226							1 PCI/L		U				1 PCI/L		U
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-232							1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL							4 UG/L		U				7 UG/L		U
RADIUM-228							3 PCI/L		U				3 PCI/L		U
THORIUM-228							1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		UJ				1 PCI/L		UJ
PLUTONIUM-238							1 PCI/L		UJ				1 PCI/L		UJ
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R

SAMPLE NUMBER:	EMGW_SYSGEN_577			003476			003476			003791			003791		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_580	EMGW_SYSGEN_580	EMGW_SYSGEN_580	GW930118-13	GW930118-13
TASK:	GWMON	GWMON	GWMON	RCRA	RCRA
LAB:	NET	NET	WMCO	CORE	FERMCO Laboratory
WELL OR BORING NUMBER:	2052	2052	2052	2052	2052
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-JUN-91	17-JUN-91	17-JUN-91	18-JAN-93	18-JAN-93
NORTH COORDINATE:	482507.16	482507.16	482507.16	482507.16	482507.16
EAST COORDINATE:	1380139.73	1380139.73	1380139.73	1380139.73	1380139.73
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				348 MG/L		NV									
AMMONIA				.17 MG/L		NV									
CHLORIDE				20 MG/L		NV									
FLUORIDE				.32 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		NV									
PH				7.03 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.1 MG/L		UNV									
SPECIFIC CONDUCTIVITY				931 UMHOS/CM		NV									
SULFATE				192 MG/L		NV									
TOTAL DISSOLVED SOLIDS				588 MG/L		NV									
TOTAL ORGANIC CARBON				27 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM	.5 MG/L		UNV	.5 MG/L		UNV									
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV									
ARSENIC	.005 MG/L		UNV	.005 MG/L		UNV									
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV									
BERYLLIUM	.05 MG/L		UNV	.05 MG/L		UNV									
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV									
CALCIUM	154 MG/L		NV	152 MG/L		NV									
CHROMIUM				.002 MG/L		UNV									
COBALT	.005 MG/L		UNV	.005 MG/L		UNV									
COPPER	.02 MG/L		UNV	.02 MG/L		UNV									
CYANIDE				.005 MG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_580			EMGW_SYSGEN_580			EMGW_SYSGEN_580			GW930118-13			GW930118-13		
LAB:	NET			NET			WMCO			CORE			FERMCO Laboratory		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	1.52 MG/L		NV	1.62 MG/L		NV									
LEAD	.005 MG/L		UNV	.0219 MG/L		NV									
MAGNESIUM	31 MG/L		NV	32 MG/L		NV									
MANGANESE	.757 MG/L		NV	.741 MG/L		NV									
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV									
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV									
NICKEL	.01 MG/L		UNV	.014 MG/L		NV									
POTASSIUM	1.8 MG/L		NV	1.9 MG/L		NV									
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV									
SILVER	.001 MG/L		UNV	.001 MG/L		UNV									
SODIUM	13 MG/L		NV	13 MG/L		NV									
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV									
ZINC	.05 MG/L		UNV	.05 MG/L		UNV									
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM, TOTAL							12 UG/L		NV	9.6 UG/L		NV	6.7 UG/L		NV
THORIUM-230										.2 PCI/L	.1	UNV			
RADIUM-226										1.1 PCI/L	.4	NV			
THORIUM-232										.2 PCI/L	.1	UNV			
THORIUM, TOTAL										1.8 UG/L		NV			
RADIUM-228										3 PCI/L	1.3	UNV			
THORIUM-228										.2 PCI/L	.1	UNV			
GROSS ALPHA										5.4 PCI/L	2.4	NV			
GROSS BETA										.3 PCI/L	2.2	UNV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_580			EMGW_SYSGEN_580			EMGW_SYSGEN_580			GW930118-13			GW930118-13		
LAB:	NET			NET			WMCO			CORE			FERMCO Laboratory		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930118-13	GW930118-13	EMGW_SYSGEN_581	EMGW_SYSGEN_581	EMGW_SYSGEN_581
TASK:	RCRA	RCRA	GWMON	GWMON	GWMON
LAB:	NET	NET	NET	NET	WMCO
WELL OR BORING NUMBER:	2052	2052	2052	2052	2052
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-JAN-93	18-JAN-93	18-JUL-91	18-JUL-91	18-JUL-91
NORTH COORDINATE:	482507.16	482507.16	482507.16	482507.16	482507.16
EAST COORDINATE:	1380139.73	1380139.73	1380139.73	1380139.73	1380139.73
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				332 MG/L		NV				341 MG/L		NV			
ALLYL CHLORIDE				5 UG/L		UNV									
AMMONIA				.27 MG/L		NV				.21 MG/L		NV			
BICARBONATE ALKALINITY				403 MG/L		NV									
CARBONATE ALKALINITY				3 MG/L		NV									
CHLORIDE				21 MG/L		NV				18 MG/L		NV			
FLUORIDE				.26 MG/L		NV				.3 MG/L		NV			
NITRATE				.02 MG/L		NV				.02 MG/L		UNV			
NITRATE, AS NITROGEN										.02 MG/L		UNV			
NITRITE, AS NITROGEN				.02 MG/L		UNV									
PH				6.94 SU		NV				6.99 SU		NV			
PHENOLS				.005 MG/L		UNV				.005 MG/L		UNV			
PHOSPHORUS				.1 MG/L		UNV				.1 MG/L		UNV			
SPECIFIC CONDUCTIVITY				1140 UMHOS/CM		NV				903 UMHOS/CM		NV			
SULFATE				275 MG/L		NV				206 MG/L		NV			
TOTAL DISSOLVED SOLIDS	735 MG/L		NV							579 MG/L		NV			
TOTAL ORGANIC CARBON				4 MG/L		NV				2 MG/L		NV			
TOTAL ORGANIC HALIDES				.01 MG/L		UNV									
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL SOLIDS				709 MG/L		NV									
INORGANICS															
ALUMINUM	.02 MG/L		UNV	.02 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV			
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV			
ARSENIC	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV			
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV			

SAMPLE NUMBER:	GW930118-13			GW930118-13			EMGW_SYSGEN_581			EMGW_SYSGEN_581			EMGW_SYSGEN_581		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV			
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM	178 MG/L		NV	193 MG/L		NV	140 MG/L		NV	150 MG/L		NV			
CHROMIUM	.002 MG/L		UNV	.002 MG/L		UNV				.0071 MG/L		NV			
COBALT	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV			
COPPER	.02 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV			
CYANIDE				.005 MG/L		UNV				.005 MG/L		UNV			
IRON	2.79 MG/L		NV	4.21 MG/L		NV	1.78 MG/L		NV	1.69 MG/L		NV			
LEAD	.003 MG/L		UNV	.003 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM	32.2 MG/L		NV	37.9 MG/L		NV	32 MG/L		NV	34 MG/L		NV			
MANGANESE	.735 MG/L		NV	.817 MG/L		NV	.726 MG/L		NV	.709 MG/L		NV			
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV			
NICKEL	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV			
POTASSIUM				1.5 MG/L		NV	1.7 MG/L		NV	1.8 MG/L		NV			
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV			
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM				14 MG/L		NV	13 MG/L		NV	14 MG/L		NV			
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV			
ZINC	.02 MG/L		UNV	.02 MG/L		UNV	.11 MG/L		NV	.137 MG/L		NV			
MISC															
1,2,3-TRICHLOROPROPANE				5 UG/L		UNV									
1,2-DIBROMO-3-CHLOROPROPANE				2 UG/L		UNV									
1,2-DIBROMOETHANE				2 UG/L		UNV									
2-CHLORO-1,3-BUTADIENE				5 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACRYLONITRILE				50 UG/L		UNV									
DICHLORODIFLUOROMETHANE				10 UG/L		UNV									
ETHYL CYANIDE				20 UG/L		UNV									
ETHYL METHACRYLATE				5 UG/L		UNV									
IODOMETHANE				5 UG/L		UNV									
METHACRYLONITRILE				5 UG/L		UNV									
METHYL METHACRYLATE				5 UG/L		UNV									
PENTACHLOROETHANE				5 UG/L		UNV									
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
TRANS-1,4-DICHLORO-2-BUTENE				20 UG/L		UNV									

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SAMPLE NUMBER:	GW930118-13	GW930118-13	EMGW_SYSGEN_581	EMGW_SYSGEN_581	EMGW_SYSGEN_581
LAB:	NET	NET	NET	NET	WMCO
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF
	RESULT SIGMA VAL QUAL(1)	RESULT SIGMA VAL QUAL(1)	RESULT SIGMA VAL QUAL(1)	RESULT SIGMA VAL QUAL(1)	RESULT SIGMA VAL QUAL(1)
RADIONUCLIDES					
URANIUM, TOTAL					9.4 UG/L NV
SEMIVOLATILES					
2-CHLOROETHYLVINYL ETHER		10 UG/L UNV		10 UG/L UNV	
CUMENE		1 UG/L UNV			
VOLATILES					
1,1,1,2-TETRACHLOROETHANE		1 UG/L UNV			
1,1,1-TRICHLOROETHANE		1 UG/L UNV		1 UG/L UNV	
1,1,2,2-TETRACHLOROETHANE		1 UG/L UNV		1 UG/L UNV	
1,1,2-TRICHLOROETHANE		1 UG/L UNV		1 UG/L UNV	
1,1-DICHLOROETHANE		1 UG/L UNV		1 UG/L UNV	
1,1-DICHLOROETHENE		1 UG/L UNV		1 UG/L UNV	
1,2-DICHLOROETHANE		1 UG/L UNV		1 UG/L UNV	
1,2-DICHLOROETHENE (TOTAL)				1 UG/L UNV	
1,2-DICHLOROPROPANE		1 UG/L UNV		1 UG/L UNV	
2-BUTANONE		10 UG/L UNV		2 UG/L UNV	
2-HEXANONE		10 UG/L UNV		2 UG/L UNV	
4-METHYL-2-PENTANONE		10 UG/L UNV		2 UG/L UNV	
ACETONE		10 UG/L UNV		2 UG/L UNV	
BENZENE		1 UG/L UNV		1 UG/L UNV	
BROMODICHLOROMETHANE		1 UG/L UNV		1 UG/L UNV	
BROMOFORM		1 UG/L UNV		1 UG/L UNV	
BROMOMETHANE		5 UG/L UNV		1 UG/L UNV	
CARBON DISULFIDE		1 UG/L UNV		5.1 UG/L NV	
CARBON TETRACHLORIDE		1 UG/L UNV		1 UG/L UNV	
CHLOROBENZENE		1 UG/L UNV		1 UG/L UNV	
CHLOROETHANE		10 UG/L UNV		1 UG/L UNV	
CHLOROFORM		1 UG/L UNV		1 UG/L UNV	
CHLOROMETHANE		10 UG/L UNV		1 UG/L UNV	
CIS-1,3-DICHLOROPROPENE		1 UG/L UNV		1 UG/L UNV	
DIBROMOCHLOROMETHANE		1 UG/L UNV		1 UG/L UNV	
ETHYLBENZENE		1 UG/L UNV		1 UG/L UNV	
METHYLENE CHLORIDE		10 UG/L UNV		1 UG/L UNV	
STYRENE		1 UG/L UNV		1 UG/L UNV	
TETRACHLOROETHENE		1 UG/L UNV		1 UG/L UNV	
TOLUENE		1 UG/L UNV		1.1 UG/L NV	
TRANS-1,3-DICHLOROPROPENE		1 UG/L UNV		1 UG/L UNV	
TRICHLOROETHENE		1 UG/L UNV		1 UG/L UNV	
TRICHLOROFLUOROMETHANE		1 UG/L UNV			

SAMPLE NUMBER:	GW930118-13			GW930118-13			EMGW_SYSGEN_581			EMGW_SYSGEN_581			EMGW_SYSGEN_581		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL ACETATE				10 UG/L		UNV				2 UG/L		UNV			
VINYL CHLORIDE				5 UG/L		UNV				1 UG/L		UNV			
XYLENES, TOTAL				1 UG/L		UNV				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_581D	EMGW_SYSGEN_581D	EMGW_SYSGEN_581D	EMGW_SYSGEN_576	EMGW_SYSGEN_576
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	NET	WMCO	IT	NET
WELL OR BORING NUMBER:	2052	2052	2052	2052	2052
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-JUL-91	18-JUL-91	18-JUL-91	20-AUG-90	20-AUG-90
NORTH COORDINATE:	482507.16	482507.16	482507.16	482507.16	482507.16
EAST COORDINATE:	1380139.73	1380139.73	1380139.73	1380139.73	1380139.73
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL	NORMAL
QC OF:	EMGW_SYSGEN_581	EMGW_SYSGEN_581	EMGW_SYSGEN_581		
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				341 MG/L		NV									
AMMONIA				.2 MG/L		NV									
CHLORIDE				18 MG/L		NV									
FLUORIDE				.29 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PH				6.98 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.1 MG/L		UNV									
SPECIFIC CONDUCTIVITY				929 UMHOS/CM		NV									
SULFATE				206 MG/L		NV									
TOTAL DISSOLVED SOLIDS				536 MG/L		NV									
TOTAL ORGANIC CARBON				2 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	.2 MG/L		UNV							.5 MG/L		UNV
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV							.025 MG/L		UNV
ARSENIC	.005 MG/L		UNV	.005 MG/L		UNV							.0025 MG/L		UNV
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV							.2 MG/L		UNV
BERYLLIUM	.05 MG/L		UNV	.05 MG/L		UNV							.01 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV							.001 MG/L		UNV
CALCIUM	140 MG/L		NV	140 MG/L		NV							170 MG/L		NV
CHROMIUM				.0057 MG/L		NV									
COBALT	.005 MG/L		UNV	.005 MG/L		UNV							.025 MG/L		UNV
COPPER	.02 MG/L		UNV	.02 MG/L		UNV							.025 MG/L		UNV
CYANIDE				.005 MG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_581D			EMGW_SYSGEN_581D			EMGW_SYSGEN_581D			EMGW_SYSGEN_576			EMGW_SYSGEN_576		
LAB:	NET			NET			WMCO			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	1.94 MG/L		NV	1.84 MG/L		NV							1.17 MG/L		NV
LEAD	.005 MG/L		UNV	.005 MG/L		UNV							.005 MG/L		UNV
MAGNESIUM	32 MG/L		NV	32 MG/L		NV							34.4 MG/L		NV
MANGANESE	.715 MG/L		NV	.693 MG/L		NV							.527 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV							.0002 MG/L		UNV
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV							.025 MG/L		UNV
NICKEL	.01 MG/L		UNV	.01 MG/L		UNV							.005 MG/L		UNV
POTASSIUM	1.7 MG/L		NV	1.6 MG/L		NV							1.48 MG/L		NV
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV							.0025 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV							.001 MG/L		UNV
SODIUM	13 MG/L		NV	13 MG/L		NV							16.7 MG/L		NV
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV							.05 MG/L		UNV
ZINC	.124 MG/L		NV	.116 MG/L		NV							.02 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238										3.49 PCI/L		NV			
URANIUM, TOTAL							8.5 UG/L		NV	9.67 UG/L		NV			
URANIUM-234										4.76 PCI/L		NV			
THORIUM-230										.39 PCI/L		NV			
RADIUM-226										1 PCI/L		UNV			
URANIUM-235/236										.283 PCI/L		NV			
THORIUM-232										.24 PCI/L		UNV			
THORIUM, TOTAL										2.1 UG/L		UNV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										.24 PCI/L		UNV			
GROSS ALPHA										13 PCI/L		UNV			
GROSS BETA										8.22 PCI/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_581D	EMGW_SYSGEN_581D	EMGW_SYSGEN_581D	EMGW_SYSGEN_576	EMGW_SYSGEN_576
LAB:	NET	NET	WMCO	IT	NET
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				3.7 UG/L		NV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1.5 UG/L		NV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_576	EMGW_SYSGEN_578	EMGW_SYSGEN_578	EMGW_SYSGEN_578	111546
TASK:	GWMON	GWMON	GWMON	GWMON	20.03.05
LAB:	NET	IT	NET	NET	IT
WELL OR BORING NUMBER:	2052	2052	2052	2052	2052
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-AUG-90	25-FEB-91	25-FEB-91	25-FEB-91	29-APR-93
NORTH COORDINATE:	482507.16	482507.16	482507.16	482507.16	482507.16
EAST COORDINATE:	1380139.73	1380139.73	1380139.73	1380139.73	1380139.73
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										338 MG/L		NV			
AMMONIA										.13 MG/L		NV			
CHLORIDE	17 MG/L		NV							19 MG/L		NV			
FLUORIDE	.3 MG/L		NV							.36 MG/L		NV			
NITRATE, AS NITROGEN	.02 MG/L		UNV							.14 MG/L		NV			
PH	.005 MG/L		UNV							7.15 SU		NV			
PHENOLS	.005 MG/L		UNV							.005 MG/L		UNV			
PHOSPHORUS										3.85 MG/L		NV			
SPECIFIC CONDUCTIVITY										957 UMHOS/CM		NV			
SULFATE	247 MG/L		NV							230 MG/L		NV			
TOTAL DISSOLVED SOLIDS										720 MG/L		NV			
TOTAL ORGANIC CARBON	4 MG/L		NV							12 MG/L		NV			
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV							.01 MG/L		UNV			
INORGANICS															
ALUMINUM	3.15 MG/L		NV				.5 MG/L		UNV	1.95 MG/L		NV	.0906 MG/L		-
ANTIMONY	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV	.001 MG/L		UJ
ARSENIC	.009 MG/L		NV				.0025 MG/L		UNV	.019 MG/L		NV	.001 MG/L		U
BARIUM	.242 MG/L		NV				.2 MG/L		UNV	.473 MG/L		NV	.0721 MG/L		J
BERYLLIUM	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV	.0027 MG/L		U
CADMIUM	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV	.002 MG/L		U
CALCIUM	224 MG/L		NV				128 MG/L		NV	170 MG/L		NV	153 MG/L		-
CHROMIUM	.025 MG/L		NV							.005 MG/L		UNV	.004 MG/L		U
COBALT	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV	.003 MG/L		U
COPPER	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV	.0051 MG/L		U
CYANIDE										.01 MG/L		UNV			

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SAMPLE NUMBER:	EMGW_SYSGEN_576			EMGW_SYSGEN_578			EMGW_SYSGEN_578			EMGW_SYSGEN_578			111546		
LAB:	NET			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	9.93 MG/L		NV				.311 MG/L		NV	27.2 MG/L		NV	2.32 MG/L		-
LEAD	.005 MG/L		UNV				.005 MG/L		UNV	.011 MG/L		NV	.001 MG/L		U
MAGNESIUM	48.8 MG/L		NV				35.2 MG/L		NV	45 MG/L		NV	33.8 MG/L		-
MANGANESE	.74 MG/L		NV				.643 MG/L		NV	2.02 MG/L		NV	.558 MG/L		-
MERCURY	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		U
MOLYBDENUM	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV	.0056 MG/L		U
NICKEL	.005 MG/L		UNV				.005 MG/L		NV	.016 MG/L		NV	.003 MG/L		U
POTASSIUM	2.14 MG/L		NV				1.89 MG/L		NV	2.29 MG/L		NV	1.24 MG/L		-
SELENIUM	.0025 MG/L		UNV				.0025 MG/L		UNV	.0025 MG/L		UNV	.001 MG/L		U
SILICON													6.47 MG/L		-
SILVER	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV	.002 MG/L		U
SODIUM	15.6 MG/L		NV				21.7 MG/L		NV	18.3 MG/L		NV	12.8 MG/L		-
THALLIUM	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV	.001 MG/L		U
VANADIUM	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV	.0082 MG/L		U
ZINC	.02 MG/L		UNV				.022 MG/L		NV	.036 MG/L		NV	.0108 MG/L		U
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				4.84 PCI/L		NV									
URANIUM, TOTAL				12.5 UG/L		NV									
URANIUM-234				5.35 PCI/L		NV									
THORIUM-230				.545 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.2 PCI/L		UNV									
THORIUM-232				.272 PCI/L		NV									
THORIUM, TOTAL				2.46 UG/L		NV									
RADIUM-228				5.1 PCI/L		UNV									
THORIUM-228				.992 PCI/L		NV									
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
TECHNETIUM-99				22 PCI/L		UNV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				8.4 PCI/L		UNV									
GROSS ALPHA				19.7 PCI/L		NV									
GROSS BETA				24.5 PCI/L		NV									

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_576			EMGW_SYSGEN_578			EMGW_SYSGEN_578			EMGW_SYSGEN_578			111546		
LAB:	NET			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,1,2-TRICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,1-DICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,1-DICHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE	1 UG/L		UNV							1 UG/L		UNV			
2-BUTANONE	2 UG/L		UNV							2 UG/L		UNV			
2-HEXANONE	2 UG/L		UNV							2 UG/L		UNV			
4-METHYL-2-PENTANONE	2 UG/L		UNV							2 UG/L		UNV			
ACETONE	2 UG/L		UNV							2 UG/L		UNV			
BENZENE	1 UG/L		UNV							1 UG/L		UNV			
BROMODICHLOROMETHANE	1 UG/L		UNV							1 UG/L		UNV			
BROMOFORM	1 UG/L		UNV							1 UG/L		UNV			
BROMOMETHANE	1 UG/L		UNV							1 UG/L		UNV			
CARBON DISULFIDE	1 UG/L		UNV							1 UG/L		UNV			
CARBON TETRACHLORIDE	1 UG/L		UNV							1 UG/L		UNV			
CHLOROBENZENE	1 UG/L		UNV							1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM	1 UG/L		UNV							1 UG/L		UNV			
CHLOROMETHANE	1 UG/L		UNV							1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV							1 UG/L		UNV			
DIBROMOCHLOROMETHANE	1 UG/L		UNV							1 UG/L		UNV			
ETHYLBENZENE	1 UG/L		UNV							1 UG/L		UNV			
METHYLENE CHLORIDE	1 UG/L		UNV							1 UG/L		UNV			
STYRENE	1 UG/L		UNV							1 UG/L		UNV			
TETRACHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
TOLUENE	1 UG/L		UNV							1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV							1 UG/L		UNV			
TRICHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
VINYL ACETATE	2 UG/L		UNV							2 UG/L		UNV			
VINYL CHLORIDE	1 UG/L		UNV							1 UG/L		UNV			
XYLENES, TOTAL	1 UG/L		UNV							1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	111546			111546			111546			GW930429-7			GW930429-7		
TASK:	20.03.05			20.03.05			20.03.05			50.03.23			50.03.23		
LAB:	IT			IT/MWL			ITAS			CORE			FERMCO		
WELL OR BORING NUMBER:	2052			2052			2052			2052			2052		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	29-APR-93			29-APR-93			29-APR-93			29-APR-93			29-APR-93		
NORTH COORDINATE:	482507.16			482507.16			482507.16			482507.16			482507.16		
EAST COORDINATE:	1380139.73			1380139.73			1380139.73			1380139.73			1380139.73		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							290 MG/L		-						
AMMONIA							.32 MG/L		-						
CHLORIDE							23.62 MG/L		-						
FLUORIDE							.28 MG/L		-						
NITRATE							.1 MG/L		UR						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.04 MG/L		-						
SULFATE							183.4 MG/L		-						
SULFIDE							.5 MG/L		U						
TOTAL KJELDAHL NITROGEN							.29 MG/L		-						
TOTAL ORGANIC CARBON							1.18 MG/L		-						
TOTAL ORGANIC HALIDES							10 MG/L		U						
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
INORGANICS															
CYANIDE	.001 MG/L		U												
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		UJ									
ALPHA-CHLORDANE				.05 UG/L		U									
AROCLOR-1016				1 UG/L		U									

SAMPLE NUMBER:	111546			111546			111546			GW930429-7			GW930429-7		
LAB:	IT			IT/MWL			ITAS			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
AROCLOR-1221				2 UG/L		U									
AROCLOR-1232				1 UG/L		U									
AROCLOR-1242				1 UG/L		U									
AROCLOR-1248				1 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		UJ									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN ALDEHYDE				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		UJ									
GAMMA-CHLORDANE				.05 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				5 UG/L		U									
RADIONUCLIDES															
URANIUM-238	1.36 PCI/L	.4	-							1.8 PCI/L	.6	-			
URANIUM, TOTAL	3.45 UG/L	.37	-							5.3 UG/L	.4	-	4.4 UG/L		NV
URANIUM-234	1.74 PCI/L	.48	-							1.5 PCI/L	.6	-			
THORIUM-230	.712 PCI/L	.273	J							.2 PCI/L	.1	UJ			
RADIUM-226	1 PCI/L	.124	UJ							3.3 PCI/L	.6	J			
URANIUM-235/236	.2 PCI/L		UJ							.2 PCI/L	.3	U			
THORIUM-232	.2 PCI/L		UJ							.3 PCI/L	.1	UJ			
THORIUM, TOTAL	1.12 UG/L	.59	UJ												
RADIUM-228	3 PCI/L		UJ							3 PCI/L	1.3	U			
THORIUM-228	.2 PCI/L		UJ							.2 PCI/L	.1	UJ			
NEPTUNIUM-237	.5 PCI/L	.163	U												
PLUTONIUM-239/240	.5 PCI/L		UJ												
PLUTONIUM-238	.5 PCI/L	.115	UJ												
STRONTIUM-90	1 PCI/L		UJ												
TECHNETIUM-99	15 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		UJ												
CESIUM-137	11.3 PCI/L		UJ												
GROSS ALPHA	8.7 PCI/L		UJ							6.5 PCI/L	2.5	NV			

SAMPLE NUMBER:	111546			111546			111546			GW930429-7			GW930429-7		
LAB:	IT			IT/MWL			ITAS			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
GROSS BETA	6.1 PCI/L		UJ							4.3 PCI/L	2.5	UNV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				25 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		U									
2,4-DINITROPHENOL				50 UG/L		UJ									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				25 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				10 UG/L		U									
3-NITROANILINE				25 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				25 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				25 UG/L		U									
4-NITROPHENOL				25 UG/L		UJ									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		U									
BENZO(K)FLUORANTHENE				10 UG/L		U									
BENZOIC ACID				50 UG/L		UJ									
BENZYL ALCOHOL				10 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									

SAMPLE NUMBER:	111546			111546			111546			GW930429-7			GW930429-7		
LAB:	IT			IT/MWL			ITAS			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		UJ									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CARBAZOLE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		UJ									
DIBENZO(A,H)ANTHRACENE				10 UG/L		U									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		U									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		UJ									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		U									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				25 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		U	.01 MG/L		U						
PYRENE				10 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		UJ									

SAMPLE NUMBER:	111546			111546			111546			GW930429-7			GW930429-7		
LAB:	IT			IT/MWL			ITAS			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				2 UG/L		J									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		UJ									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930429-7			GW930429-7			GW930429-7			EMGW_SYSGEN_574			EMGW_SYSGEN_574		
TASK:	50.03.23			50.03.23			50.03.23			GWMON			GWMON		
LAB:	FERMCO			LOCKHEED			LOCKHEED			IT			NET		
WELL OR BORING NUMBER:	2052			2052			2052			2052			2052		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	29-APR-93			29-APR-93			29-APR-93			31-MAY-90			31-MAY-90		
NORTH COORDINATE:	482507.16			482507.16			482507.16			482507.16			482507.16		
EAST COORDINATE:	1380139.73			1380139.73			1380139.73			1380139.73			1380139.73		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							360 MG/L		-						
BICARBONATE ALKALINITY							360 MG/L		-						
CARBONATE ALKALINITY							30 MG/L		U						
CHLORIDE													18 MG/L		NV
NITRATE, AS NITROGEN													.02 MG/L		UNV
PH							7.2 SU		-						
SPECIFIC CONDUCTIVITY							1000 UMHOS/CM		-						
SULFATE													157 MG/L		NV
TOTAL DISSOLVED SOLIDS				670 MG/L		-									
TOTAL ORGANIC CARBON													40 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL SOLIDS							680 MG/L		-						
INORGANICS															
ALUMINUM							.036 MG/L		U						
ANTIMONY							.031 MG/L		UJ						
ARSENIC							.002 MG/L		U						
BARIUM							.066 MG/L		-						
BERYLLIUM							.001 MG/L		U						
CADMIUM							.002 MG/L		U						
CALCIUM							155 MG/L		-						
CHROMIUM							.003 MG/L		U						
COBALT							.008 MG/L		U						
COPPER							.004 MG/L		U						
CYANIDE				.02 MG/L		U									
IRON							3.19 MG/L		-						

SAMPLE NUMBER:	GW930429-7			GW930429-7			GW930429-7			EMGW_SYSGEN_574			EMGW_SYSGEN_574		
LAB:	FERMCO			LOCKHEED			LOCKHEED			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD							.001 MG/L		U						
MAGNESIUM							34.7 MG/L		-						
MANGANESE							.558 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.015 MG/L		U						
NICKEL							.031 MG/L		U						
POTASSIUM							.82 MG/L		U						
SELENIUM							.0022 MG/L		J						
SILVER							.003 MG/L		U						
SODIUM							12.4 MG/L		-						
THALLIUM							.01 MG/L		U						
VANADIUM							.007 MG/L		U						
ZINC							.0067 MG/L		U						
RADIONUCLIDES															
URANIUM-238										1.86 PCI/L		NV			
URANIUM, TOTAL	4.5 UG/L		NV							5.66 UG/L		NV			
URANIUM-234										2.66 PCI/L		NV			
THORIUM-230										2.54 PCI/L		NV			
RADIUM-226										1 PCI/L		UNV			
URANIUM-235/236										.315 PCI/L		NV			
THORIUM-232										.74 PCI/L		UNV			
THORIUM, TOTAL										6.7 UG/L		UNV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										.829 PCI/L		NV			
GROSS ALPHA										20.8 PCI/L		NV			
GROSS BETA										13.2 PCI/L		NV			
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV

SAMPLE NUMBER:	GW930429-7			GW930429-7			GW930429-7			EMGW_SYSGEN_574			EMGW_SYSGEN_574		
LAB:	FERMCO			LOCKHEED			LOCKHEED			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_587	EMGW_SYSGEN_587	004113	004113	066848
TASK:	GWMON	GWMON	3.2.4	3.2.4	9.25
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	2053	2053	2053	2053	2053
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-JUN-90	04-JUN-90	07-JUN-89	07-JUN-89	08-JAN-90
NORTH COORDINATE:	479935.12	479935.12	479935.12	479935.12	479935.12
EAST COORDINATE:	1380352.25	1380352.25	1380352.25	1380352.25	1380352.25
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		UNV			
CHLORIDE				24 MG/L		NV				22.6 MG/L		NV			
FLUORIDE										.25 MG/L		NV			
NITRATE				.07 MG/L		NV				.1 MG/L		UNV			
NITRATE, AS NITROGEN				.07 MG/L		NV									
PHENOLS										.0123 MG/L		NV			
PHOSPHORUS										.773 MG/L		NV			
SULFATE				223 MG/L		NV				161 MG/L		NV			
SULFIDE										38 MG/L		NV			
TOTAL KJELDAHL NITROGEN										.472 MG/L		NV			
TOTAL ORGANIC CARBON				32 MG/L		NV				1 MG/L		UNV			
TOTAL ORGANIC HALIDES										.01 MG/L		UNV			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										.472 MG/L		NV			
INORGANICS															
ALUMINUM							.191 MG/L		-						
ANTIMONY							.03 MG/L		U						
ARSENIC							.0021 MG/L		J						
BARIUM							.0659 MG/L		-						
BERYLLIUM							.0018 MG/L		U						
CADMIUM							.0052 MG/L		-						
CALCIUM							120 MG/L		-						
CHROMIUM							.0287 MG/L		-						
COBALT							.01 MG/L		U						
COPPER							.01 MG/L		U						

SAMPLE NUMBER:	EMGW_SYSGEN_587			EMGW_SYSGEN_587			004113			004113			066848		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE										.05 MG/L		U			
IRON							2.18 MG/L		-						
LEAD							.0035 MG/L		-						
MAGNESIUM							28.1 MG/L		-						
MANGANESE							.218 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.01 MG/L		U						
NICKEL							.0241 MG/L		-						
POTASSIUM							3.24 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILVER							.0128 MG/L		-						
SODIUM							13.7 MG/L		-						
THALLIUM							.001 MG/L		U						
VANADIUM							.0193 MG/L		-						
ZINC							.0265 MG/L		-						
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL										5 UG/L		U			
DEMETON										.5 UG/L		U			
DIAZINON										.5 UG/L		U			
DISULFOTON										.5 UG/L		U			
ETHION										.2 UG/L		U			
MALATHION										.5 UG/L		U			
METHYL PARATHION										.5 UG/L		U			
PARATHION										.5 UG/L		U			
PESTICIDES															
4,4'-DDD										.1 UG/L		U			
4,4'-DDE										.1 UG/L		U			
4,4'-DDT										.1 UG/L		U			
ALDRIN										.05 UG/L		U			
ALPHA-BHC										.05 UG/L		U			
ALPHA-CHLORDANE										.5 UG/L		U			
AROCLOR-1016										.5 UG/L		U			
AROCLOR-1221										.5 UG/L		U			
AROCLOR-1232										.5 UG/L		U			
AROCLOR-1242										.5 UG/L		U			
AROCLOR-1248										.5 UG/L		U			
AROCLOR-1254										1 UG/L		U			
AROCLOR-1260										1 UG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_587			EMGW_SYSGEN_587			004113			004113			066848		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
BETA-BHC										.05 UG/L		U			
DELTA-BHC										.05 UG/L		U			
DIELDRIN										.1 UG/L		U			
ENDOSULFAN II										.1 UG/L		U			
ENDOSULFAN SULFATE										.1 UG/L		U			
ENDOSULFAN-I										.05 UG/L		U			
ENDRIN										.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)										.05 UG/L		U			
GAMMA-CHLORDANE										.5 UG/L		U			
HEPTACHLOR										.05 UG/L		U			
HEPTACHLOR EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.5 UG/L		U			
TOXAPHENE										1 UG/L		U			
RADIONUCLIDES															
URANIUM-238	1.63 PCI/L		NV							1.7 PCI/L	.4	-	1.62 PCI/L	.43	-
URANIUM, TOTAL	4.93 UG/L		NV							6 UG/L	1	-	7.07 UG/L	.76	J
URANIUM-234	1.78 PCI/L		NV							2.2 PCI/L	.5	-	2.28 PCI/L	.52	R
THORIUM-230	.593 PCI/L		NV							1 PCI/L		U	1 PCI/L		U
RADIUM-226	1 PCI/L		UNV							1.3 PCI/L	.3	J			
URANIUM-235/236	.23 PCI/L		UNV							1 PCI/L		U	1 PCI/L		U
THORIUM-232	.2 PCI/L		UNV							1 PCI/L		U			
THORIUM, TOTAL	1.8 UG/L		UNV							5 UG/L		U			
RADIUM-228	3 PCI/L		UNV							3 PCI/L		R			
THORIUM-228	1.39 PCI/L		NV							1 PCI/L		U	1 PCI/L		U
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U	30 PCI/L		U
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA	23.2 PCI/L		NV												
GROSS BETA	11 PCI/L		UNV												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		U			
1,2-DICHLOROBENZENE										10 UG/L		U			
1,3-DICHLOROBENZENE										10 UG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_587			EMGW_SYSGEN_587			004113			004113			066848		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,4-DICHLOROBENZENE										10 UG/L		U			
2,4,5-TRICHLOROPHENOL										50 UG/L		U			
2,4,6-TRICHLOROPHENOL										10 UG/L		U			
2,4-DICHLOROPHENOL										10 UG/L		U			
2,4-DIMETHYLPHENOL										10 UG/L		U			
2,4-DINITROPHENOL										50 UG/L		U			
2,4-DINITROTOLUENE										10 UG/L		U			
2,6-DINITROTOLUENE										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		U			
2-CHLOROPHENOL										10 UG/L		U			
2-METHYLNAPHTHALENE										10 UG/L		U			
2-METHYLPHENOL										10 UG/L		U			
2-NITROANILINE										50 UG/L		U			
2-NITROPHENOL										10 UG/L		U			
3,3'-DICHLOROBENZIDINE										20 UG/L		U			
3-NITROANILINE										50 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL										50 UG/L		U			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLORO-3-METHYLPHENOL										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			
4-NITROANILINE										50 UG/L		U			
4-NITROPHENOL										50 UG/L		U			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		U			
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		U			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			
BENZOIC ACID										50 UG/L		U			
BENZYL ALCOHOL										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE										10 UG/L		U			
BUTYL BENZYL PHTHALATE										10 UG/L		U			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										10 UG/L		U			
DI-N-OCTYL PHTHALATE										10 UG/L		U			

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SAMPLE NUMBER:	EMGW_SYSGEN_587			EMGW_SYSGEN_587			004113			004113			066848		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIBENZO(A,H)ANTHRACENE										10 UG/L		U			
DIBENZOFURAN										10 UG/L		U			
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		U			
HEXACHLOROBENZENE										10 UG/L		U			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		U			
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		U			
ISOPHORONE										10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		U			
PENTACHLOROPHENOL										50 UG/L		U			
PHENANTHRENE										10 UG/L		U			
PHENOL										10 UG/L		U			
PYRENE										10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV				5 UG/L		U			
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV				5 UG/L		U			
1,1,2-TRICHLOROETHANE				1 UG/L		UNV				5 UG/L		U			
1,1-DICHLOROETHANE				1 UG/L		UNV				5 UG/L		U			
1,1-DICHLOROETHENE				1 UG/L		UNV				5 UG/L		U			
1,2-DICHLOROETHANE				1 UG/L		UNV				5 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV				5 UG/L		U			
1,2-DICHLOROPROPANE				1 UG/L		UNV				5 UG/L		U			
2-BUTANONE				2 UG/L		UNV				2 UG/L		J			
2-HEXANONE				2 UG/L		UNV				10 UG/L		U			
4-METHYL-2-PENTANONE				2 UG/L		UNV				10 UG/L		U			
ACETONE				2 UG/L		UNV				10 UG/L		U			
BENZENE				1 UG/L		UNV				5 UG/L		U			
BROMODICHLOROMETHANE				1 UG/L		UNV				5 UG/L		U			
BROMOFORM				1 UG/L		UNV				5 UG/L		U			
BROMOMETHANE				1 UG/L		UNV				10 UG/L		U			
CARBON DISULFIDE				1 UG/L		UNV				5 UG/L		U			
CARBON TETRACHLORIDE				1 UG/L		UNV				5 UG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_587			EMGW_SYSGEN_587			004113			004113			066848		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROBENZENE				1 UG/L		UNV				5 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM				1 UG/L		UNV				5 UG/L		U			
CHLOROMETHANE				1 UG/L		UNV				10 UG/L		U			
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV				5 UG/L		U			
DIBROMOCHLOROMETHANE				1 UG/L		UNV				5 UG/L		U			
ETHYLBENZENE				1 UG/L		UNV				5 UG/L		U			
METHYLENE CHLORIDE				1 UG/L		UNV				12 UG/L		U			
STYRENE				1 UG/L		UNV				5 UG/L		U			
TETRACHLOROETHENE				1 UG/L		UNV				5 UG/L		U			
TOLUENE				1 UG/L		UNV				5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV				5 UG/L		U			
TRICHLOROETHENE				1 UG/L		UNV				5 UG/L		U			
VINYL ACETATE				2 UG/L		UNV				10 UG/L		U			
VINYL CHLORIDE				1.2 UG/L		NV				10 UG/L		U			
XYLENES, TOTAL				1 UG/L		UNV				5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066891	EMGW_SYSGEN_586	EMGW_SYSGEN_588	004149	004149
TASK:	9.27	GWMON	GWMON	3.2.4	3.2.4
LAB:	IT	IT	NET	IT	IT
WELL OR BORING NUMBER:	2053	2053	2053	2053	2053
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-JAN-90	09-MAR-90	26-SEP-90	31-JUL-89	31-JUL-89
NORTH COORDINATE:	479935.12	479935.12	479935.12	479935.12	479935.12
EAST COORDINATE:	1380352.25	1380352.25	1380352.25	1380352.25	1380352.25
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	066848				
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							262 MG/L		NV						
AMMONIA													.05 MG/L		-
CHLORIDE							16 MG/L		NV				18 MG/L		-
FLUORIDE							.35 MG/L		NV				.14 MG/L		-
NITRATE							.02 MG/L		UNV				.1 MG/L		UJ
NITRATE, AS NITROGEN							.02 MG/L		UNV						
PH							7.07 SU		NV				.028 MG/L		-
PHENOLS							.005 MG/L		UNV				.028 MG/L		-
PHOSPHORUS													.91 MG/L		-
SPECIFIC CONDUCTIVITY							977 UMHOS/CM		NV						
SULFATE							206 MG/L		NV				344 MG/L		-
SULFIDE													.5 MG/L		UJ
TOTAL DISSOLVED SOLIDS							625 MG/L		NV						
TOTAL KJELDAHL NITROGEN													.714 MG/L		-
TOTAL ORGANIC CARBON							3 MG/L		NV				1.01 MG/L		-
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.714 MG/L		-
INORGANICS															
ALUMINUM										.178 MG/L		-			
ARSENIC										.002 MG/L		UJ			
BARIUM										.109 MG/L		-			
CADMIUM										.009 MG/L		-			
CALCIUM										178 MG/L		-			
CHROMIUM										.048 MG/L		-			

SAMPLE NUMBER:	066891			EMGW_SYSGEN_586			EMGW_SYSGEN_588			004149			004149		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER										.012 MG/L		-			
IRON										3.52 MG/L		-			
LEAD										.004 MG/L		-			
MAGNESIUM										45.3 MG/L		-			
MANGANESE										.362 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										2.88 MG/L		-			
SELENIUM										.002 MG/L		U			
SILICON										5.98 MG/L		-			
SILVER										.011 MG/L		-			
SODIUM										11 MG/L		-			
VANADIUM										.023 MG/L		-			
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	2.11 PCI/L	.45	-	.933 PCI/L		NV							1 PCI/L		U
URANIUM, TOTAL	8.27 UG/L	.89	J	2.96 UG/L		NV							1 UG/L	1	-
URANIUM-234	2.3 PCI/L	.47	R	1.34 PCI/L		NV							1 PCI/L		U
THORIUM-230	1.82 PCI/L	.67	J										1 PCI/L		U
RADIUM-226													1 PCI/L		U
URANIUM-235/236	1 PCI/L		U	.394 PCI/L		NV							1 PCI/L		U
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													5 UG/L		U
RADIUM-228													3 PCI/L		UJ
THORIUM-228	1 PCI/L		U										1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U										30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						

SAMPLE NUMBER:	066891			EMGW_SYSGEN_586			EMGW_SYSGEN_588			004149			004149		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004170	004170	004095	004095	066849
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	9.25
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2053	2053	2054	2054	2054
DEPTH:	-	-	-	-	-
DATE COLLECTED:	31-JUL-89	31-JUL-89	02-JUN-89	02-JUN-89	08-NOV-89
NORTH COORDINATE:	479935.12	479935.12	480030.82	480030.82	480030.82
EAST COORDINATE:	1380352.25	1380352.25	1381523.36	1381523.36	1381523.36
QA TYPE:	DUPLICATE	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:	004149	004149			
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.079 MG/L		-				.1 MG/L		UJ			
CHLORIDE				15.5 MG/L		-				22 MG/L		-			
FLUORIDE				.15 MG/L		-				.18 MG/L		J			
NITRATE				.1 MG/L		UJ				.1 MG/L		R			
PHENOLS				.036 MG/L		-				.0184 MG/L		J			
PHOSPHORUS				1.38 MG/L		-				.266 MG/L		J			
SULFATE				352 MG/L		-				666 MG/L		J			
SULFIDE				.5 MG/L		UJ				1 MG/L		UJ			
TOTAL KJELDAHL NITROGEN				.862 MG/L		-				.229 MG/L		J			
TOTAL ORGANIC CARBON				.1 MG/L		U									
TOTAL ORGANIC HALIDES				.015 MG/L		J				.0346 MG/L		J			
TOTAL ORGANIC NITROGEN				.862 MG/L		-				.229 MG/L		J			
INORGANICS															
ALUMINUM	.157 MG/L		-												
ARSENIC	.002 MG/L		UJ				.002 MG/L		U						
BARIUM	.106 MG/L		-				.0663 MG/L		-						
CADMIUM	.007 MG/L		-				.0097 MG/L		-						
CALCIUM	178 MG/L		-				252 MG/L		-						
CHROMIUM	.048 MG/L		-				.0738 MG/L		-						
COPPER	.012 MG/L		-				.017 MG/L		-						
IRON	3.56 MG/L		-				3.4 MG/L		-						
LEAD	.006 MG/L		-				.002 MG/L		UJ						
MAGNESIUM	45.1 MG/L		-				52.4 MG/L		-						
MANGANESE	.36 MG/L		-				.966 MG/L		-						
MERCURY	.0002 MG/L		U				.0004 MG/L		-						

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SAMPLE NUMBER:	004170			004170			004095			004095			066849		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.01 MG/L		U				.0123 MG/L		-						
NICKEL	.02 MG/L		U				.0491 MG/L		-						
POTASSIUM	2.83 MG/L		-				2.85 MG/L		-						
SELENIUM	.002 MG/L		U				.002 MG/L		UJ						
SILICON	5.78 MG/L		-												
SILVER	.012 MG/L		-				.0169 MG/L		-						
SODIUM	10.9 MG/L		-				16.6 MG/L		-						
VANADIUM	.023 MG/L		-												
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				6.8 PCI/L	1	J	4.9 PCI/L	.78	J
URANIUM, TOTAL				1 UG/L	1	-				23 UG/L	4	-	13 UG/L	2	J
URANIUM-234				1 PCI/L		U				8.1 PCI/L	1.1	J	5.39 PCI/L	.83	J
THORIUM-230				1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
RADIUM-226				1 PCI/L		U				1 PCI/L		U			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		UJ	1 PCI/L		UJ
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL				6 UG/L		U				5 UG/L		U			
RADIUM-228				3 PCI/L		UJ				3 PCI/L		UJ			
THORIUM-228				1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		UJ	30 PCI/L		U
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_589	EMGW_SYSGEN_589	EMGW_SYSGEN_589	EMGW_SYSGEN_592	EMGW_SYSGEN_592
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	IT	NET	NET	IT	NET
WELL OR BORING NUMBER:	2054	2054	2054	2054	2054
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-MAR-90	09-MAR-90	09-MAR-90	10-DEC-90	10-DEC-90
NORTH COORDINATE:	480030.82	480030.82	480030.82	480030.82	480030.82
EAST COORDINATE:	1381523.36	1381523.36	1381523.36	1381523.36	1381523.36
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													311 MG/L		NV
AMMONIA													.02 MG/L		UNV
CHLORIDE													19 MG/L		NV
FLUORIDE													.18 MG/L		NV
NITRATE/NITRITE													.04 MG/L		NV
PH													5.53 SU		NV
PHENOLS													.005 MG/L		UNV
PHOSPHORUS													.15 MG/L		NV
SPECIFIC CONDUCTIVITY													615 UMHOS/CM		NV
SULFATE													92 MG/L		NV
TOTAL DISSOLVED SOLIDS													464 MG/L		NV
TOTAL ORGANIC CARBON													2 MG/L		NV
TOTAL ORGANIC HALOGENS													.011 MG/L		NV
INORGANICS															
CYANIDE													.005 MG/L		UNV
LEAD				.005 MG/L		UNV	.005 MG/L		UNV						
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	4.67 PCI/L		NV							10.9 PCI/L		NV			
URANIUM, TOTAL	13.9 UG/L		NV							27.2 UG/L		NV			

SAMPLE NUMBER:	EMGW_SYSGEN_589			EMGW_SYSGEN_589			EMGW_SYSGEN_589			EMGW_SYSGEN_592			EMGW_SYSGEN_592		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-234	5.09 PCI/L		NV							11.8 PCI/L		NV			
THORIUM-230										.44 PCI/L		UNV			
RADIUM-226										1 PCI/L		UNV			
URANIUM-235/236	.21 PCI/L		UNV							.629 PCI/L		NV			
THORIUM-232										.44 PCI/L		UNV			
THORIUM, TOTAL										4 UG/L		UNV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										.983 PCI/L		NV			
GROSS ALPHA										36.8 PCI/L		NV			
GROSS BETA										25.9 PCI/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE							1 UG/L		UNV				1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_589			EMGW_SYSGEN_589			EMGW_SYSGEN_589			EMGW_SYSGEN_592			EMGW_SYSGEN_592		
LAB:	IT			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
METHYLENE CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
TOLUENE							1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL							1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003798	003798	120082	120082	120082
TASK:	3.2.4	3.2.4	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	2054	2054	2054	2054	2054
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-JAN-89	10-JAN-89	17-JUN-93	17-JUN-93	17-JUN-93
NORTH COORDINATE:	480030.82	480030.82	480030.82	480030.82	480030.82
EAST COORDINATE:	1381523.36	1381523.36	1381523.36	1381523.36	1381523.36
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	.154 MG/L		-												
ANTIMONY	.0005 MG/L		UJ												
ARSENIC	.002 MG/L		UJ												
BARIUM	.0579 MG/L		-												
BERYLLIUM	.001 MG/L		U												
CADMIUM	.002 MG/L		U												
CALCIUM	122 MG/L		-												
CHROMIUM	.0237 MG/L		J												
COBALT	.01 MG/L		U												
COPPER	.0143 MG/L		-												
CYANIDE				.01 MG/L		R									
IRON	1.22 MG/L		-												
LEAD	.002 MG/L		UJ												
MAGNESIUM	33.1 MG/L		-												
MANGANESE	.289 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.02 MG/L		U												
NICKEL	.026 MG/L		-												
POTASSIUM	2.6 MG/L		-												
SELENIUM	.002 MG/L		U												
SILVER	.0005 MG/L		UJ												
SODIUM	9.39 MG/L		-												
THALLIUM	.002 MG/L		UJ												
VANADIUM	.0215 MG/L		-												
ZINC	.0647 MG/L		J												

PESTICIDES

4,4'-DDD .1 UG/L U
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	003798			003798			120082			120082			120082		
LAB:	IT			IT			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.5 UG/L		U									
AROCLOR-1016				.5 UG/L		U									
AROCLOR-1221				.5 UG/L		U									
AROCLOR-1232				.5 UG/L		U									
AROCLOR-1242				.5 UG/L		U									
AROCLOR-1248				.5 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.5 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				1 UG/L		U									
RADIONUCLIDES															
URANIUM-238				7.6 PCI/L	1.2	-	10.3 PCI/L	.5	NV	15.5 PCI/L	1.4	NV			
URANIUM, TOTAL				21 UG/L	4	-	51.8 UG/L	1.9	NV	34.7 UG/L	3.6	NV	37 UG/L		NV
URANIUM-234				8.4 PCI/L	1.3	-	8.7 PCI/L	.2	NV	16.2 PCI/L	1.1	NV			
THORIUM-230				1 PCI/L		U	.2 PCI/L	.2	UNV	.4 PCI/L	.2	NV			
RADIUM-226				1.8 PCI/L	.4	R	1 PCI/L	.3	UNV	1 PCI/L	.3	UNV			
URANIUM-235/236				1 PCI/L		U	.3 PCI/L	1.9	NV	.5 PCI/L	.5	NV			
THORIUM-232				1 PCI/L		U	.2 PCI/L	.2	UNV	.2 PCI/L	.2	UNV			
THORIUM, TOTAL				10 UG/L		U	PCI/L	.2	NV	.91203204 PCI/L	.2	NV			
RADIUM-228				3 PCI/L		R	3 PCI/L	1.3	UNV	3 PCI/L	1.1	UNV			

001358

SAMPLE NUMBER:	003798			003798			120082			120082			120082		
LAB:	IT			IT			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-228				1 PCI/L		U	.2 PCI/L	7.6	UNV	.2 PCI/L	.2	UNV			
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U	15 PCI/L	1.1	UNV						
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA							13.1 PCI/L	3	NV	21 PCI/L	3	NV			
GROSS BETA							12.9 PCI/L	3.6	NV	27.9 PCI/L	2.3	NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				50 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		U									
2,4-DINITROPHENOL				50 UG/L		UJ									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				50 UG/L		UJ									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				20 UG/L		U									
3-NITROANILINE				50 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				50 UG/L		U									
4-NITROPHENOL				50 UG/L		UJ									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									

SAMPLE NUMBER:	003798			003798			120082			120082			120082		
LAB:	IT			IT			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(A)ANTHRACENE				10 UG/L		UJ									
BENZO(A)PYRENE				10 UG/L		UJ									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		U									
BENZO(K)FLUORANTHENE				10 UG/L		UJ									
BENZOIC ACID				50 UG/L		UJ									
BENZYL ALCOHOL				10 UG/L		UJ									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				4 UG/L		J									
DI-N-OCTYL PHTHALATE				10 UG/L		U									
DIBENZO(A,H)ANTHRACENE				10 UG/L		U									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		U									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		UJ									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		UJ									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				50 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		U									
PYRENE				10 UG/L		UJ									
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		UJ									

SAMPLE NUMBER:	003798			003798			120082			120082			120082		
LAB:	IT			IT			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2-TRICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHENE				5 UG/L		U									
1,2-DICHLOROETHANE				5 UG/L		UJ									
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U									
1,2-DICHLOROPROPANE				5 UG/L		U									
2-BUTANONE				10 UG/L		R									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				5 UG/L		UJ									
BROMODICHLOROMETHANE				5 UG/L		U									
BROMOFORM				5 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				5 UG/L		U									
CARBON TETRACHLORIDE				5 UG/L		UJ									
CHLOROBENZENE				5 UG/L		UJ									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				5 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				5 UG/L		UJ									
DIBROMOCHLOROMETHANE				5 UG/L		UJ									
ETHYLBENZENE				5 UG/L		UJ									
METHYLENE CHLORIDE				5 UG/L		U									
STYRENE				5 UG/L		UJ									
TETRACHLOROETHENE				5 UG/L		U									
TOLUENE				5 UG/L		UJ									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U									
TRICHLOROETHENE				5 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				5 UG/L		UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120082			120082			EMGW_SYSGEN_591			EMGW_SYSGEN_593			EMGW_SYSGEN_593		
TASK:	50.03.23			50.03.23			GWMON			GWMON			GWMON		
LAB:	NET			NET			NET			IT			NET		
WELL OR BORING NUMBER:	2054			2054			2054			2054			2054		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	17-JUN-93			17-JUN-93			19-SEP-90			20-MAR-91			20-MAR-91		
NORTH COORDINATE:	480030.82			480030.82			480030.82			480030.82			480030.82		
EAST COORDINATE:	1381523.36			1381523.36			1381523.36			1381523.36			1381523.36		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				296 MG/L		-	279 MG/L		NV				148 MG/L		NV
AMMONIA				.13 MG/L		-							.02 MG/L		UNV
BICARBONATE ALKALINITY				372 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				15 MG/L		-	20 MG/L		NV				17 MG/L		NV
FLUORIDE				.18 MG/L		-	.31 MG/L		NV				.18 MG/L		NV
NITRATE, AS NITROGEN							.05 MG/L		NV				.02 MG/L		UNV
NITRATE/NITRITE				.02 MG/L		U									
PH				7.15 SU		-	7.32 SU		NV				7.21 SU		NV
PHENOLS				.01 MG/L		UJ	.005 MG/L		NV				.005 MG/L		UNV
PHOSPHORUS				.1 MG/L		U							.19 MG/L		NV
SPECIFIC CONDUCTIVITY				809 UMHOS/CM		-	756 UMHOS/CM		NV				712 UMHOS/CM		NV
SULFATE				148 MG/L		-	116 MG/L		NV				106 MG/L		NV
TOTAL DISSOLVED SOLIDS	617 MG/L		-				530 MG/L		NV				420 MG/L		NV
TOTAL KJELDAHL NITROGEN				.27 MG/L		-									
TOTAL ORGANIC CARBON				1 MG/L		U	2 MG/L		NV				10 MG/L		NV
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC HALOGENS							.052 MG/L		NV				.01 MG/L		UNV
TOTAL ORGANIC NITROGEN				.14 MG/L		-									
TOTAL SOLIDS				678 MG/L		-									
INORGANICS															
ALUMINUM	.02 MG/L		U	.0424 MG/L		-							.5 MG/L		UNV
ANTIMONY	.045 MG/L		U	.045 MG/L		U							.025 MG/L		UNV
ARSENIC	.003 MG/L		U	.003 MG/L		U							.003 MG/L		NV
BARIUM	.0514 MG/L		-	.056 MG/L		-							.2 MG/L		UNV

SAMPLE NUMBER:	120082			120082			EMGW_SYSGEN_591			EMGW_SYSGEN_593			EMGW_SYSGEN_593		
LAB:	NET			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM	.001 MG/L		U	.001 MG/L		U							.01 MG/L		UNV
CADMIUM	.003 MG/L		U	.003 MG/L		U							.001 MG/L		UNV
CALCIUM	121 MG/L		-	123 MG/L		-							97.5 MG/L		NV
CHROMIUM	.005 MG/L		U	.005 MG/L		U							.005 MG/L		NV
COBALT	.0088 MG/L		-	.008 MG/L		U							.025 MG/L		UNV
COPPER	.003 MG/L		UJ	.003 MG/L		UJ							.025 MG/L		UNV
CYANIDE	.01 MG/L		UJ	.01 MG/L		UJ							.005 MG/L		UNV
IRON	2.21 MG/L		-	3.59 MG/L		-							10.2 MG/L		NV
LEAD	.0053 MG/L		UJ	.0028 MG/L		-							.006 MG/L		NV
MAGNESIUM	30.5 MG/L		-	31.7 MG/L		-							31.7 MG/L		NV
MANGANESE	.293 MG/L		-	.303 MG/L		-							.327 MG/L		NV
MERCURY	.0002 MG/L		U	.0002 MG/L		U							.0002 MG/L		UNV
MOLYBDENUM													.025 MG/L		UNV
NICKEL	.02 MG/L		U	.02 MG/L		U							.005 MG/L		UNV
POTASSIUM	2.61 MG/L		-	2.45 MG/L		-							3.5 MG/L		NV
SELENIUM	.001 MG/L		UJ	.001 MG/L		U							.0025 MG/L		UNV
SILVER	.007 MG/L		U	.007 MG/L		U							.001 MG/L		UNV
SODIUM	8.67 MG/L		J	9.62 MG/L		J							9.8 MG/L		NV
THALLIUM	.002 MG/L		U	.002 MG/L		U							.01 MG/L		UNV
VANADIUM	.003 MG/L		U	.003 MG/L		U							.05 MG/L		UNV
ZINC	.0051 MG/L		U	.013 MG/L		U							.036 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238										22.7 PCI/L		NV			
URANIUM, TOTAL										58.8 UG/L		NV			
URANIUM-234										22 PCI/L		NV			
THORIUM-230										.32 PCI/L		UNV			
RADIUM-226										1 PCI/L		UNV			
URANIUM-235/236										1.43 PCI/L		NV			
THORIUM-232										.32 PCI/L		UNV			
THORIUM, TOTAL										2.9 UG/L		UNV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										1.48 PCI/L		NV			
NEPTUNIUM-237										.5 PCI/L		UNV			
PLUTONIUM-239/240										.5 PCI/L		UNV			
PLUTONIUM-238										.5 PCI/L		UNV			
STRONTIUM-90										1 PCI/L		UNV			

SAMPLE NUMBER:	120082			120082			EMGW_SYSGEN_591			EMGW_SYSGEN_593			EMGW_SYSGEN_593		
LAB:	NET			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
TECHNETIUM-99										16 PCI/L		UNV			
RUTHENIUM-106										150 PCI/L		UNV			
CESIUM-137										6.9 PCI/L		UNV			
GROSS ALPHA										36.4 PCI/L		NV			
GROSS BETA										26.4 PCI/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV				10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
1,1,2-TRICHLOROETHANE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHANE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHENE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHANE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROPROPANE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE				10 UG/L		U	2 UG/L		UNV				2 UG/L		UNV
2-HEXANONE				10 UG/L		U	2 UG/L		UNV				2 UG/L		UNV
4-METHYL-2-PENTANONE				10 UG/L		U	2 UG/L		UNV				2 UG/L		UNV
ACETONE				10 UG/L		UJ	2 UG/L		UNV				2 UG/L		UNV
BENZENE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
BROMODICHLOROMETHANE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
BROMOFORM				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
BROMOMETHANE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
CARBON DISULFIDE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
CARBON TETRACHLORIDE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
CHLOROBENZENE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
CHLOROETHANE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
CHLOROFORM				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
CHLOROMETHANE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
DIBROMOCHLOROMETHANE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
ETHYLBENZENE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
METHYLENE CHLORIDE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
STYRENE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
TETRACHLOROETHENE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
TOLUENE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV

SAMPLE NUMBER:	120082			120082			EMGW_SYSGEN_591			EMGW_SYSGEN_593			EMGW_SYSGEN_593		
LAB:	NET			NET			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TRICHLOROETHENE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE							2 UG/L		UNV				2 UG/L		UNV
VINYL CHLORIDE				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV
XYLENES, TOTAL				10 UG/L		U	1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_590	EMGW_SYSGEN_590	003527	004054	004150
TASK:	GWMON	GWMON	3.2.4	3.2.4	3.2.4
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	2054	2054	2054	2054	2055
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-JUN-90	21-JUN-90	25-JAN-89	31-MAR-89	01-AUG-89
NORTH COORDINATE:	480030.82	480030.82	480030.82	480030.82	481488.08
EAST COORDINATE:	1381523.36	1381523.36	1381523.36	1381523.36	1380703.99
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE				17 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		UNV									
SULFATE				81 MG/L		NV									
TOTAL ORGANIC CARBON				3 MG/L		NV									
TOTAL ORGANIC HALIDES										.0015 MG/L		-			
TOTAL ORGANIC HALOGENS				.027 MG/L		NV									
INORGANICS															
ALUMINUM													.132 MG/L		-
ARSENIC													.002 MG/L		UJ
BARIUM													.098 MG/L		-
CADMIUM													.004 MG/L		-
CALCIUM													123 MG/L		-
CHROMIUM													.04 MG/L		-
COPPER													.01 MG/L		U
CYANIDE										.0013 MG/L		-			
IRON													2.63 MG/L		-
LEAD				.024 MG/L		NV							.002 MG/L		U
MAGNESIUM													29.4 MG/L		-
MANGANESE													.259 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.01 MG/L		U
NICKEL													.02 MG/L		U
POTASSIUM													3.3 MG/L		-
SELENIUM													.002 MG/L		U
SILICON													4.95 MG/L		-

SAMPLE NUMBER:	EMGW_SYSGEN_590			EMGW_SYSGEN_590			003527			004054			004150		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SILVER													.011 MG/L		-
SODIUM													13.4 MG/L		-
VANADIUM													.018 MG/L		-
RADIONUCLIDES															
URANIUM-238	.957 PCI/L		NV												
URANIUM, TOTAL	2.84 UG/L		NV												
URANIUM-234	.911 PCI/L		NV												
THORIUM-230	2.12 PCI/L		NV												
RADIUM-226	1 PCI/L		UNV												
URANIUM-235/236	.31 PCI/L		UNV												
THORIUM-232	.35 PCI/L		UNV												
THORIUM, TOTAL	3.1 UG/L		UNV												
RADIUM-228	3 PCI/L		UNV												
THORIUM-228	1.7 PCI/L		NV												
STRONTIUM-90							5 PCI/L		U						
GROSS ALPHA	19 PCI/L		UNV												
GROSS BETA	25.5 PCI/L		NV												
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_590			EMGW_SYSGEN_590			003527			004054			004150		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

SAMPLE NUMBER:	004150	EMGW_SYSGEN_601	EMGW_SYSGEN_601	EMGW_SYSGEN_601	004114
TASK:	3.2.4	GWMON	GWMON	GWMON	3.2.4
LAB:	IT	NET	NET	WMCO	IT
WELL OR BORING NUMBER:	2055	2055	2055	2055	2055
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-AUG-89	01-JUL-91	01-JUL-91	01-JUL-91	04-JUN-89
NORTH COORDINATE:	481488.08	481488.08	481488.08	481488.08	481488.08
EAST COORDINATE:	1380703.99	1380703.99	1380703.99	1380703.99	1380703.99
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							266 MG/L		NV						
AMMONIA	.481 MG/L		-				.15 MG/L		NV						
CHLORIDE	26.7 MG/L		-				31 MG/L		NV						
FLUORIDE	.165 MG/L		-				.21 MG/L		NV						
NITRATE	.1 MG/L		UJ				.05 MG/L		NV						
NITRATE, AS NITROGEN							.05 MG/L		NV						
PH	.01 MG/L		U				7.2 SU		NV						
PHENOLS	.01 MG/L		U				.005 MG/L		UNV						
PHOSPHORUS	.09 MG/L		-				.3 MG/L		NV						
SPECIFIC CONDUCTIVITY							754 UMHOS/CM		NV						
SULFATE	133 MG/L		-				104 MG/L		NV						
SULFIDE	.5 MG/L		UJ												
TOTAL DISSOLVED SOLIDS							438 MG/L		NV						
TOTAL KJELDAHL NITROGEN	.584 MG/L		-												
TOTAL ORGANIC CARBON	.448 MG/L		-				13 MG/L		NV						
TOTAL ORGANIC HALIDES	.01 MG/L		U												
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN	.103 MG/L		-												
INORGANICS															
ALUMINUM				.2 MG/L		UNV	.2 MG/L		UNV				.227 MG/L		-
ANTIMONY				.02 MG/L		UNV	.02 MG/L		UNV						
ARSENIC				.005 MG/L		UNV	.005 MG/L		UNV				.002 MG/L		U
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV				.969 MG/L		-
BERYLLIUM				.05 MG/L		UNV	.05 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV				.045 MG/L		-

SAMPLE NUMBER:	004150			EMGW_SYSGEN_601			EMGW_SYSGEN_601			EMGW_SYSGEN_601			004114		
LAB:	IT			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				92 MG/L		NV	104 MG/L		NV				110 MG/L		-
CHROMIUM							.002 MG/L		UNV				.038 MG/L		-
COBALT				.005 MG/L		UNV	.005 MG/L		UNV						
COPPER				.02 MG/L		UNV	.02 MG/L		UNV				.01 MG/L		U
CYANIDE							.005 MG/L		UNV						
IRON				1.35 MG/L		NV	1.87 MG/L		NV				2.59 MG/L		-
LEAD				.005 MG/L		UNV	.005 MG/L		UNV				.0023 MG/L		J
MAGNESIUM				2.4 MG/L		NV	2.6 MG/L		NV				27.5 MG/L		-
MANGANESE				.323 MG/L		NV	.322 MG/L		NV				.2084 MG/L		-
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		-
MOLYBDENUM				.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		U
NICKEL				.01 MG/L		UNV	.01 MG/L		UNV				.02 MG/L		U
POTASSIUM				3.6 MG/L		NV	3.9 MG/L		NV				4.27 MG/L		-
SELENIUM				.005 MG/L		UNV	.005 MG/L		UNV				.002 MG/L		UJ
SILICON													4.853 MG/L		-
SILVER				.001 MG/L		UNV	.001 MG/L		UNV				.013 MG/L		-
SODIUM				15 MG/L		NV	17 MG/L		NV				13.6 MG/L		-
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV				.0192 MG/L		-
ZINC				.038 MG/L		NV	.07 MG/L		NV						
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	1.2 PCI/L	.3	-												
URANIUM, TOTAL	3 UG/L	1	-							3.9 UG/L		NV			
URANIUM-234	1 PCI/L		U												
THORIUM-230	1 PCI/L		U												
RADIUM-226	1 PCI/L		U												
URANIUM-235/236	1 PCI/L		U												
THORIUM-232	1 PCI/L		U												
THORIUM, TOTAL	5 UG/L		U												
RADIUM-228	3 PCI/L		U												
THORIUM-228	1 PCI/L		U												
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		U												
PLUTONIUM-238	1 PCI/L		U												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U												

SAMPLE NUMBER:	004150			EMGW_SYSGEN_601			EMGW_SYSGEN_601			EMGW_SYSGEN_601			004114		
LAB:	IT			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						

SAMPLE NUMBER:	004150			EMGW_SYSGEN_601			EMGW_SYSGEN_601			EMGW_SYSGEN_601			004114		
LAB:	IT			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004114	EMGW_SYSGEN_598	EMGW_SYSGEN_598	EMGW_SYSGEN_598	EMGW_SYSGEN_599
TASK:	3.2.4	GWMON	GWMON	GWMON	GWMON
LAB:	IT	IT	NET	NET	IT
WELL OR BORING NUMBER:	2055	2055	2055	2055	2055
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-JUN-89	06-NOV-90	06-NOV-90	06-NOV-90	07-FEB-91
NORTH COORDINATE:	481488.08	481488.08	481488.08	481488.08	481488.08
EAST COORDINATE:	1380703.99	1380703.99	1380703.99	1380703.99	1380703.99
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										216 MG/L		NV			
AMMONIA	1.48 MG/L		-							.3 MG/L		NV			
CHLORIDE	32 MG/L		-							28 MG/L		NV			
FLUORIDE	.2 MG/L		J							.18 MG/L		NV			
NITRATE	.1 MG/L		R							.02 MG/L		UNV			
NITRATE/NITRITE										.02 MG/L		UNV			
PH	.021 MG/L		-							7.06 SU		NV			
PHENOLS	.021 MG/L		-							.005 MG/L		UNV			
PHOSPHORUS	18.9 MG/L		-							.16 MG/L		NV			
SPECIFIC CONDUCTIVITY										760 UMHOS/CM		NV			
SULFATE	123 MG/L		-							96 MG/L		NV			
SULFIDE	30.2 MG/L		J												
TOTAL DISSOLVED SOLIDS										516 MG/L		NV			
TOTAL KJELDAHL NITROGEN	7.18 MG/L		-												
TOTAL ORGANIC CARBON	1 MG/L		U							3 MG/L		NV			
TOTAL ORGANIC HALIDES	.0158 MG/L		J												
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	5.7 MG/L		-												
INORGANICS															
ALUMINUM							.5 MG/L		UNV	.5 MG/L		UNV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.0025 MG/L		UNV	.003 MG/L		NV			
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			

SAMPLE NUMBER:	004114			EMGW_SYSGEN_598			EMGW_SYSGEN_598			EMGW_SYSGEN_598			EMGW_SYSGEN_599		
LAB:	IT			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM							76.8 MG/L		NV	119 MG/L		NV			
CHROMIUM										.009 MG/L		NV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.025 MG/L		UNV			
CYANIDE										.005 MG/L		UNV			
IRON							.837 MG/L		NV	2.94 MG/L		NV			
LEAD							.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM							7 MG/L		NV	25 MG/L		NV			
MANGANESE							.26 MG/L		NV	.336 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV			
NICKEL							.005 MG/L		UNV	.005 MG/L		UNV			
POTASSIUM							3.84 MG/L		NV	4.8 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							14.7 MG/L		NV	17.6 MG/L		NV			
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.02 MG/L		UNV	.02 MG/L		UNV			
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	1.4 PCI/L	.4	-	1.28 PCI/L		NV							1.76 PCI/L		NV
URANIUM, TOTAL	4 UG/L	1	-	4.31 UG/L		NV							5.7 UG/L		NV
URANIUM-234	1.5 PCI/L	.4	-	2.22 PCI/L		NV							1.92 PCI/L		NV
THORIUM-230	1 PCI/L		U	1.05 PCI/L		NV							.33 PCI/L		UNV
RADIUM-226	1 PCI/L		U	1.79 PCI/L		NV							1 PCI/L		UNV
URANIUM-235/236	1 PCI/L		U	1.1 PCI/L		UNV							.2 PCI/L		UNV
THORIUM-232	1 PCI/L		U	.31 PCI/L		UNV							.33 PCI/L		UNV
THORIUM, TOTAL	4 UG/L		U	2.8 UG/L		UNV							2.9 UG/L		UNV
RADIUM-228	3 PCI/L		UJ	3 PCI/L		UNV							3 PCI/L		UNV
THORIUM-228	1 PCI/L		U	.327 PCI/L		NV							.993 PCI/L		NV
NEPTUNIUM-237	1 PCI/L		UJ	.5 PCI/L		UNV							.5 PCI/L		UNV
PLUTONIUM-239/240	1 PCI/L		UJ	.5 PCI/L		UNV							.5 PCI/L		UNV
PLUTONIUM-238	1 PCI/L		UJ	.5 PCI/L		UNV							.5 PCI/L		UNV
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U	16 PCI/L		UNV							15 PCI/L		UNV
RUTHENIUM-106	150 PCI/L		UJ	150 PCI/L		UNV							150 PCI/L		UNV

SAMPLE NUMBER:	004114			EMGW_SYSGEN_598			EMGW_SYSGEN_598			EMGW_SYSGEN_598			EMGW_SYSGEN_599		
LAB:	IT			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137	20 PCI/L		UJ	6 PCI/L		UNV							6.6 PCI/L		UNV
GROSS ALPHA				8.18 PCI/L		NV							7.5 PCI/L		UNV
GROSS BETA				5.97 PCI/L		NV							8.75 PCI/L		NV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			

SAMPLE NUMBER:	004114			EMGW_SYSGEN_598			EMGW_SYSGEN_598			EMGW_SYSGEN_598			EMGW_SYSGEN_599		
LAB:	IT			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_599			EMGW_SYSGEN_599			EMGW_SYSGEN_602			EMGW_SYSGEN_602			EMGW_SYSGEN_602		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			NET			NET			NET			WMCO		
WELL OR BORING NUMBER:	2055			2055			2055			2055			2055		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-FEB-91			07-FEB-91			07-OCT-91			07-OCT-91			07-OCT-91		
NORTH COORDINATE:	481488.08			481488.08			481488.08			481488.08			481488.08		
EAST COORDINATE:	1380703.99			1380703.99			1380703.99			1380703.99			1380703.99		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				259 MG/L		NV				284 MG/L		NV			
AMMONIA				.24 MG/L		NV				.11 MG/L		NV			
CHLORIDE				28 MG/L		NV				30 MG/L		NV			
FLUORIDE				.17 MG/L		NV				.22 MG/L		NV			
NITRATE, AS NITROGEN				.02 MG/L		UNV				.02 MG/L		UNV			
PH				7.31 SU		NV				7.15 SU		NV			
PHENOLS				.005 MG/L		UNV				.005 MG/L		UNV			
PHOSPHORUS				.49 MG/L		NV				.1 MG/L		UNV			
SPECIFIC CONDUCTIVITY				755 UMHOS/CM		NV				762 UMHOS/CM		NV			
SULFATE				153 MG/L		NV				108 MG/L		NV			
TOTAL DISSOLVED SOLIDS				522 MG/L		NV				428 MG/L		NV			
TOTAL ORGANIC CARBON				8 MG/L		NV				12 MG/L		NV			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV				.01 MG/L		UNV			
INORGANICS															
ALUMINUM	.5 MG/L		UNV	.72 MG/L		NV	.2 MG/L		UNV	.2 MG/L		UNV			
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV			
ARSENIC	.0025 MG/L		UNV	.0025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV			
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV			
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM	92.5 MG/L		NV	108 MG/L		NV	110 MG/L		UNV	110 MG/L		NV			
CHROMIUM				.005 MG/L		UNV				.0022 MG/L		NV			
COBALT	.025 MG/L		UNV	.025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV			
COPPER	.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV			
CYANIDE				.005 MG/L		UNV				.005 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_599			EMGW_SYSGEN_599			EMGW_SYSGEN_602			EMGW_SYSGEN_602			EMGW_SYSGEN_602		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	.459 MG/L		NV	3.38 MG/L		NV	1.6 MG/L		UNV	2.1 MG/L		NV			
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.003 MG/L		UNV	.003 MG/L		UNV			
MAGNESIUM	22.3 MG/L		NV	26.8 MG/L		NV	29 MG/L		UNV	34 MG/L		NV			
MANGANESE	.242 MG/L		NV	.284 MG/L		NV	.354 MG/L		UNV	.36 MG/L		NV			
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM	.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV			
NICKEL	.005 MG/L		UNV	.011 MG/L		NV	.01 MG/L		UNV	.01 MG/L		UNV			
POTASSIUM	5.01 MG/L		NV	5.34 MG/L		NV	3.2 MG/L		UNV	2.9 MG/L		NV			
SELENIUM	.0025 MG/L		UNV	.0025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV			
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM	28.4 MG/L		NV	29.3 MG/L		NV	13 MG/L		UNV	15 MG/L		NV			
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV			
ZINC	.02 MG/L		NV	.03 MG/L		NV	.032 MG/L		UNV	.021 MG/L		NV			
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
RADIONUCLIDES															
URANIUM, TOTAL													3.7 UG/L		NV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV				10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROPROPANE				1 UG/L		UNV				1 UG/L		UNV			
2-BUTANONE				2 UG/L		UNV				2 UG/L		UNV			
2-HEXANONE				2 UG/L		UNV				2 UG/L		UNV			
4-METHYL-2-PENTANONE				2 UG/L		UNV				2 UG/L		UNV			
ACETONE				2 UG/L		UNV				2 UG/L		UNV			
BENZENE				1 UG/L		UNV				1 UG/L		UNV			

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SAMPLE NUMBER:	EMGW_SYSGEN_599			EMGW_SYSGEN_599			EMGW_SYSGEN_602			EMGW_SYSGEN_602			EMGW_SYSGEN_602		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
BROMOFORM				1 UG/L		UNV				1 UG/L		UNV			
BROMOMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CARBON DISULFIDE				1 UG/L		UNV				1 UG/L		UNV			
CARBON TETRACHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROBENZENE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROFORM				1 UG/L		UNV				1 UG/L		UNV			
CHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
ETHYLBENZENE				1 UG/L		UNV				1 UG/L		UNV			
METHYLENE CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
STYRENE				1 UG/L		UNV				1 UG/L		UNV			
TETRACHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
TOLUENE				1 UG/L		UNV				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
TRICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
VINYL ACETATE				2 UG/L		UNV				2 UG/L		UNV			
VINYL CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
XYLENES, TOTAL				1 UG/L		UNV				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_597			EMGW_SYSGEN_597			EMGW_SYSGEN_597D			EMGW_SYSGEN_597D			EMGW_SYSGEN_595		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			NET			NET			NET			IT		
WELL OR BORING NUMBER:	2055			2055			2055			2055			2055		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	10-OCT-90			10-OCT-90			10-OCT-90			10-OCT-90			11-MAY-90		
NORTH COORDINATE:	481488.08			481488.08			481488.08			481488.08			481488.08		
EAST COORDINATE:	1380703.99			1380703.99			1380703.99			1380703.99			1380703.99		
QA TYPE:	NORMAL			NORMAL			DUPLICATE			DUPLICATE			NORMAL		
QC OF:							EMGW_SYSGEN_597			EMGW_SYSGEN_597					
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.42 MG/L		NV				.46 MG/L		NV			
CHLORIDE				27 MG/L		NV				28 MG/L		NV			
FLUORIDE				.31 MG/L		NV				.37 MG/L		NV			
NITRATE/NITRITE				.02 MG/L		UNV				.02 MG/L		UNV			
PHOSPHORUS				.3 MG/L		NV				.42 MG/L		NV			
SULFATE				91 MG/L		NV				110 MG/L		NV			
INORGANICS															
ALUMINUM	.5 MG/L		UNV	1.99 MG/L		NV	.5 MG/L		UNV	1.38 MG/L		NV			
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC	.0025 MG/L		UNV	.005 MG/L		NV	.0025 MG/L		UNV	.004 MG/L		NV			
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM	95.8 MG/L		NV	146 MG/L		NV	81.9 MG/L		NV	127 MG/L		NV			
CHROMIUM				.01 MG/L		NV				.005 MG/L		UNV			
COBALT	.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV			
COPPER	.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV			
CYANIDE				.005 MG/L		UNV				.005 MG/L		UNV			
IRON	.965 MG/L		NV	10.1 MG/L		NV	1.17 MG/L		NV	8.44 MG/L		NV			
LEAD	.005 MG/L		UNV	.01 MG/L		NV	.005 MG/L		UNV	.012 MG/L		NV			
MAGNESIUM	15 MG/L		NV	38 MG/L		NV	12 MG/L		NV	34 MG/L		NV			
MANGANESE	.268 MG/L		NV	.44 MG/L		NV	.261 MG/L		NV	.455 MG/L		NV			
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM	.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV			
NICKEL	.005 MG/L		UNV	.012 MG/L		NV	.005 MG/L		UNV	.009 MG/L		NV			

SAMPLE NUMBER:	EMGW_SYSGEN_597			EMGW_SYSGEN_597			EMGW_SYSGEN_597D			EMGW_SYSGEN_597D			EMGW_SYSGEN_595		
LAB:	NET			NET			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM	4.14 MG/L		NV	4.92 MG/L		NV	3.97 MG/L		NV	4.68 MG/L		NV			
SELENIUM	.0025 MG/L		UNV	.0025 MG/L		UNV	.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM	17.6 MG/L		NV	18.1 MG/L		NV	15.9 MG/L		NV	17.9 MG/L		NV			
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV			
ZINC	.02 MG/L		UNV	.039 MG/L		NV	.02 MG/L		UNV	.037 MG/L		NV			
MISC															
3-METHYLPHENOL				4 UG/L		UNV				4 UG/L		UNV			
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
PESTICIDES															
4,4'-DDD				.2 UG/L		UNV				.2 UG/L		UNV			
4,4'-DDE				.2 UG/L		UNV				.2 UG/L		UNV			
4,4'-DDT				.2 UG/L		UNV				.2 UG/L		UNV			
ALDRIN				.2 UG/L		UNV				.2 UG/L		UNV			
ALPHA-BHC				.2 UG/L		UNV				.2 UG/L		UNV			
AROCLOR-1016				.2 UG/L		UNV				.2 UG/L		UNV			
AROCLOR-1221				.2 UG/L		UNV				.2 UG/L		UNV			
AROCLOR-1232				.2 UG/L		UNV				.2 UG/L		UNV			
AROCLOR-1242				.2 UG/L		UNV				.2 UG/L		UNV			
AROCLOR-1248				.2 UG/L		UNV				.2 UG/L		UNV			
AROCLOR-1254				.2 UG/L		UNV				.2 UG/L		UNV			
AROCLOR-1260				.2 UG/L		UNV				.2 UG/L		UNV			
BETA-BHC				.2 UG/L		UNV				.2 UG/L		UNV			
CHLORDANE				.2 UG/L		UNV				.2 UG/L		UNV			
DELTA-BHC				.2 UG/L		UNV				.2 UG/L		UNV			
DIELDRIN				.2 UG/L		UNV				.2 UG/L		UNV			
ENDOSULFAN II				.2 UG/L		UNV				.2 UG/L		UNV			
ENDOSULFAN SULFATE				.2 UG/L		UNV				.2 UG/L		UNV			
ENDOSULFAN-I				.2 UG/L		UNV				.2 UG/L		UNV			
ENDRIN				.2 UG/L		UNV				.2 UG/L		UNV			
ENDRIN ALDEHYDE				.2 UG/L		UNV				.2 UG/L		UNV			
GAMMA-BHC (LINDANE)				.2 UG/L		UNV				.2 UG/L		UNV			
HEPTACHLOR				.2 UG/L		UNV				.2 UG/L		UNV			
HEPTACHLOR EPOXIDE				.2 UG/L		UNV				.2 UG/L		UNV			
TOXAPHENE				.5 UG/L		UNV				.5 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_597			EMGW_SYSGEN_597			EMGW_SYSGEN_597D			EMGW_SYSGEN_597D			EMGW_SYSGEN_595		
LAB:	NET			NET			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL													5.45 UG/L		NV
URANIUM-234													2.02 PCI/L		NV
THORIUM-230													.44 PCI/L		UNV
RADIUM-226													1 PCI/L		UNV
URANIUM-235/236													.2 PCI/L		UNV
THORIUM-232													.44 PCI/L		UNV
THORIUM, TOTAL													4 UG/L		UNV
RADIUM-228													3 PCI/L		UNV
THORIUM-228													.44 PCI/L		UNV
NEPTUNIUM-237													.5 PCI/L		UNV
PLUTONIUM-239/240													.5 PCI/L		UNV
PLUTONIUM-238													.5 PCI/L		UNV
STRONTIUM-90													1 PCI/L		UNV
TECHNETIUM-99													25 PCI/L		UNV
RUTHENIUM-106													150 PCI/L		UNV
CESIUM-137													10 PCI/L		UNV
GROSS ALPHA													11.4 PCI/L		NV
GROSS BETA													28 PCI/L		UNV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				4 UG/L		UNV				4 UG/L		UNV			
1,3-DICHLOROBENZENE				4 UG/L		UNV				4 UG/L		UNV			
1,4-DICHLOROBENZENE				4 UG/L		UNV				4 UG/L		UNV			
2,4,5-TRICHLOROPHENOL				4 UG/L		UNV				4 UG/L		UNV			
2,4,6-TRICHLOROPHENOL				4 UG/L		UNV				4 UG/L		UNV			
2,4-DICHLOROPHENOL				4 UG/L		UNV				4 UG/L		UNV			
2,4-DIMETHYLPHENOL				4 UG/L		UNV				4 UG/L		UNV			
2,4-DINITROPHENOL				4 UG/L		UNV				4 UG/L		UNV			
2,4-DINITROTOLUENE				15 UG/L		UNV				15 UG/L		UNV			
2,6-DINITROTOLUENE				15 UG/L		UNV				15 UG/L		UNV			
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV				10 UG/L		UNV			
2-CHLORONAPHTHALENE				4 UG/L		UNV				4 UG/L		UNV			
2-CHLOROPHENOL				4 UG/L		UNV				4 UG/L		UNV			
2-METHYLNAPHTHALENE				4 UG/L		UNV				4 UG/L		UNV			
2-METHYLPHENOL				4 UG/L		UNV				4 UG/L		UNV			
2-NITROANILINE				15 UG/L		UNV				15 UG/L		UNV			
2-NITROPHENOL				4 UG/L		UNV				4 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_597			EMGW_SYSGEN_597			EMGW_SYSGEN_597D			EMGW_SYSGEN_597D			EMGW_SYSGEN_595		
LAB:	NET			NET			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
3,3'-DICHLOROBENZIDINE				15 UG/L		UNV				15 UG/L		UNV			
3-NITROANILINE				15 UG/L		UNV				15 UG/L		UNV			
4,6-DINITRO-2-METHYLPHENOL				4 UG/L		UNV				4 UG/L		UNV			
4-BROMOPHENYL PHENYL ETHER				15 UG/L		UNV				15 UG/L		UNV			
4-CHLORO-3-METHYLPHENOL				4 UG/L		UNV				4 UG/L		UNV			
4-CHLOROPHENYLPHENYL ETHER				15 UG/L		UNV				15 UG/L		UNV			
4-NITROANILINE				15 UG/L		UNV				15 UG/L		UNV			
4-NITROPHENOL				4 UG/L		UNV				4 UG/L		UNV			
ACENAPHTHENE				4 UG/L		UNV				4 UG/L		UNV			
ACENAPHTHYLENE				4 UG/L		UNV				4 UG/L		UNV			
ANTHRACENE				4 UG/L		UNV				4 UG/L		UNV			
BENZO(A)ANTHRACENE				4 UG/L		UNV				4 UG/L		UNV			
BENZO(A)PYRENE				4 UG/L		UNV				4 UG/L		UNV			
BENZO(B)FLUORANTHENE				4 UG/L		UNV				4 UG/L		UNV			
BENZO(G,H,I)PERYLENE				4 UG/L		UNV				4 UG/L		UNV			
BENZO(K)FLUORANTHENE				4 UG/L		UNV				4 UG/L		UNV			
BENZOIC ACID				4 UG/L		UNV				4 UG/L		UNV			
BENZYL ALCOHOL				40 UG/L		UNV				40 UG/L		UNV			
BIS(2-CHLOROETHOXY)METHANE				15 UG/L		UNV				15 UG/L		UNV			
BIS(2-CHLOROETHYL)ETHER				15 UG/L		UNV				15 UG/L		UNV			
BIS(2-CHLOROISOPROPYL) ETHER				15 UG/L		UNV				15 UG/L		UNV			
BIS(2-ETHYLHEXYL)PHTHALATE				4 UG/L		UNV				4 UG/L		UNV			
BUTYL BENZYL PHTHALATE				4 UG/L		UNV				4 UG/L		UNV			
CHRYSENE				4 UG/L		UNV				4 UG/L		UNV			
DI-N-BUTYL PHTHALATE				4 UG/L		UNV				4 UG/L		UNV			
DI-N-OCTYL PHTHALATE				4 UG/L		UNV				4 UG/L		UNV			
DIBENZO(A,H)ANTHRACENE				4 UG/L		UNV				4 UG/L		UNV			
DIBENZOFURAN				4 UG/L		UNV				4 UG/L		UNV			
DIETHYL PHTHALATE				4 UG/L		UNV				4 UG/L		UNV			
DIMETHYL PHTHALATE				4 UG/L		UNV				4 UG/L		UNV			
FLUORANTHENE				4 UG/L		UNV				4 UG/L		UNV			
FLUORENE				4 UG/L		UNV				4 UG/L		UNV			
HEXACHLOROBENZENE				4 UG/L		UNV				4 UG/L		UNV			
HEXACHLOROBUTADIENE				4 UG/L		UNV				4 UG/L		UNV			
HEXACHLOROCYCLOPENTADIENE				4 UG/L		UNV				4 UG/L		UNV			
HEXACHLOROETHANE				4 UG/L		UNV				4 UG/L		UNV			
INDENO(1,2,3-CD)PYRENE				4 UG/L		UNV				4 UG/L		UNV			
ISOPHORONE				4 UG/L		UNV				4 UG/L		UNV			
N-NITROSO-DI-N-PROPYLAMINE				4 UG/L		UNV				4 UG/L		UNV			
N-NITROSODIPHENYLAMINE				4 UG/L		UNV				4 UG/L		UNV			
NAPHTHALENE				4 UG/L		UNV				4 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_597			EMGW_SYSGEN_597			EMGW_SYSGEN_597D			EMGW_SYSGEN_597D			EMGW_SYSGEN_595		
LAB:	NET			NET			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
NITROBENZENE				4 UG/L		UNV				4 UG/L		UNV			
P-CHLOROANILINE				4 UG/L		UNV				4 UG/L		UNV			
PENTACHLOROPHENOL				4 UG/L		UNV				4 UG/L		UNV			
PHENANTHRENE				4 UG/L		UNV				4 UG/L		UNV			
PHENOL				4 UG/L		UNV				4 UG/L		UNV			
PYRENE				4 UG/L		UNV				4 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROPROPANE				1 UG/L		UNV				1 UG/L		UNV			
2-BUTANONE				2 UG/L		UNV				2 UG/L		UNV			
2-HEXANONE				2 UG/L		UNV				2 UG/L		UNV			
4-METHYL-2-PENTANONE				2 UG/L		UNV				2 UG/L		UNV			
ACETONE				2 UG/L		UNV				2 UG/L		UNV			
BENZENE				1 UG/L		UNV				1 UG/L		UNV			
BROMODICHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
BROMOFORM				1 UG/L		UNV				1 UG/L		UNV			
BROMOMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CARBON DISULFIDE				1 UG/L		UNV				1 UG/L		UNV			
CARBON TETRACHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROBENZENE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROFORM				1 UG/L		UNV				1 UG/L		UNV			
CHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
ETHYLBENZENE				1 UG/L		UNV				1 UG/L		UNV			
METHYLENE CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
STYRENE				1 UG/L		UNV				1 UG/L		UNV			
TETRACHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
TOLUENE				1 UG/L		UNV				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
TRICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
VINYL ACETATE				2 UG/L		UNV				2 UG/L		UNV			
VINYL CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			

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SAMPLE NUMBER:	EMGW_SYSGEN_597			EMGW_SYSGEN_597			EMGW_SYSGEN_597D			EMGW_SYSGEN_597D			EMGW_SYSGEN_595		
LAB:	NET			NET			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL				1 UG/L		UNV				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_595	EMGW_SYSGEN_595	GW930413-21	GW930413-21	GW930413-21
TASK:	GWMON	GWMON	50.03.23	50.03.23	50.03.23
LAB:	NET	NET	CORE	CORE	NET
WELL OR BORING NUMBER:	2055	2055	2055	2055	2055
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-MAY-90	11-MAY-90	13-APR-93	13-APR-93	13-APR-93
NORTH COORDINATE:	481488.08	481488.08	481488.08	481488.08	481488.08
EAST COORDINATE:	1380703.99	1380703.99	1380703.99	1380703.99	1380703.99
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE				28 MG/L		NV									
FLUORIDE				.55 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PHENOLS				.005 MG/L		UNV									
SULFATE				139 MG/L		NV									
TOTAL DISSOLVED SOLIDS													512 MG/L		-
TOTAL ORGANIC CARBON				1 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM	.05 MG/L		UNV	2.38 MG/L		NV							.02 MG/L		U
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV							.045 MG/L		U
ARSENIC	.0025 MG/L		UNV	.005 MG/L		NV							.002 MG/L		U
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV							.0978 MG/L		-
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.001 MG/L		U
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV							.003 MG/L		UJ
CALCIUM	113 MG/L		NV	157 MG/L		NV							109 MG/L		-
CHROMIUM				.005 MG/L		UNV							.005 MG/L		U
COBALT	.025 MG/L		UNV	.025 MG/L		UNV							.008 MG/L		U
COPPER	.025 MG/L		UNV	.025 MG/L		UNV							.0081 MG/L		U
CYANIDE													.01 MG/L		UJ
IRON	.856 MG/L		NV	7.39 MG/L		NV							1.85 MG/L		J
LEAD	.005 MG/L		UNV	.005 MG/L		UNV							.001 MG/L		UJ
MAGNESIUM	22 MG/L		NV	48 MG/L		NV							25.8 MG/L		-
MANGANESE	.267 MG/L		NV	.388 MG/L		NV							.171 MG/L		-
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV							.0002 MG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_595			EMGW_SYSGEN_595			GW930413-21			GW930413-21			GW930413-21		
LAB:	NET			NET			CORE			CORE			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.025 MG/L		UNV	.025 MG/L		UNV									
NICKEL	.005 MG/L		UNV	.008 MG/L		NV							.02 MG/L		U
POTASSIUM	4.21 MG/L		NV	4.78 MG/L		NV							4.17 MG/L		-
SELENIUM	.0025 MG/L		UNV	.0025 MG/L		UNV							.001 MG/L		U
SILVER	.001 MG/L		UNV	.001 MG/L		UNV							.007 MG/L		U
SODIUM	15.7 MG/L		NV	15.5 MG/L		NV							13.2 MG/L		-
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.002 MG/L		UJ
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV							.003 MG/L		U
ZINC	.02 MG/L		UNV	.033 MG/L		NV							.021 MG/L		U
RADIONUCLIDES															
URANIUM-238							108 PCI/L	26.2	J	.5 PCI/L	.2	J			
URANIUM, TOTAL							.9 UG/L	.1	-	.9 UG/L	.1	-			
URANIUM-234							84.4 PCI/L	20.7	J	.5 PCI/L	.2	J			
THORIUM-230							.3 PCI/L	.2	U	.3 PCI/L	.1	UJ			
RADIUM-226							1.2 PCI/L	.4	-	1 PCI/L	.4	UJ			
URANIUM-235/236							6.3 PCI/L	2.1	J	.2 PCI/L	.2	UJ			
THORIUM-232							.7 PCI/L	.1	J	.7 PCI/L	.1	J			
THORIUM, TOTAL										6.384 PCI/L	.1	NV			
RADIUM-228							3 PCI/L	1.2	U	3 PCI/L	1.5	U			
THORIUM-228							.3 PCI/L	.2	-	.2 PCI/L	.1	UJ			
GROSS ALPHA							4.1 PCI/L	2	UNV	3.9 PCI/L	1.7	NV			
GROSS BETA							7.8 PCI/L	1.7	NV	4.4 PCI/L	2.6	UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_595			EMGW_SYSGEN_595			GW930413-21			GW930413-21			GW930413-21		
LAB:	NET			NET			CORE			CORE			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930413-21	004344	004344	EMGW_SYSGEN_596	EMGW_SYSGEN_596
TASK:	50.03.23	3.2.4	3.2.4	GWMON	GWMON
LAB:	NET	IT	IT	IT	NET
WELL OR BORING NUMBER:	2055	2055	2055	2055	2055
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-APR-93	13-NOV-90	13-NOV-90	14-AUG-90	14-AUG-90
NORTH COORDINATE:	481488.08	481488.08	481488.08	481488.08	481488.08
EAST COORDINATE:	1380703.99	1380703.99	1380703.99	1380703.99	1380703.99
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	248 MG/L		-												
AMMONIA	.23 MG/L		R												
BICARBONATE ALKALINITY	336 MG/L		-												
CARBONATE ALKALINITY	3 MG/L		U												
CHLORIDE	28 MG/L		-												
FLUORIDE	.15 MG/L		-												
NITRATE/NITRITE	.02 MG/L		U												
PH	7.2 SU		-				10 UG/L		U						
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.1 MG/L		UR												
SPECIFIC CONDUCTIVITY	777 UMHOS/CM		-												
SULFATE	148 MG/L		-												
TOTAL KJELDAHL NITROGEN	.47 MG/L		-												
TOTAL ORGANIC CARBON	6 MG/L		J												
TOTAL ORGANIC HALOGENS	.01 MG/L		U												
TOTAL ORGANIC NITROGEN	.24 MG/L		-												
TOTAL SOLIDS	524 MG/L		-												
INORGANICS															
ALUMINUM	.0429 MG/L		U	.06 MG/L		U	1.7 MG/L		-				.5 MG/L		UNV
ANTIMONY	.045 MG/L		U	.03 MG/L		U	.03 MG/L		U				.025 MG/L		UNV
ARSENIC	.002 MG/L		U	.002 MG/L		U	.0026 MG/L		-				.0025 MG/L		UNV
BARIUM	.0999 MG/L		-	.0824 MG/L		-	.0959 MG/L		-				.2 MG/L		UNV
BERYLLIUM	.001 MG/L		U	.002 MG/L		U	.002 MG/L		U				.01 MG/L		UNV
CADMIUM	.003 MG/L		U	.0041 MG/L		-	.0086 MG/L		-				.001 MG/L		UNV
CALCIUM	113 MG/L		-	104 MG/L		J	142 MG/L		J				87.2 MG/L		NV

SAMPLE NUMBER:	GW930413-21			004344			004344			EMGW_SYSGEN_596			EMGW_SYSGEN_596		
LAB:	NET			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM	.005 MG/L		U	.0159 MG/L		-	.0333 MG/L		-						
COBALT	.008 MG/L		U	.01 MG/L		U	.01 MG/L		U				.025 MG/L		UNV
COPPER	.0084 MG/L		U	.01 MG/L		U	.0371 MG/L		-				.025 MG/L		UNV
CYANIDE	.01 MG/L		UJ				.002 MG/L		U						
IRON	1.36 MG/L		J	.381 MG/L		-	5.68 MG/L		J				1.31 MG/L		NV
LEAD	.001 MG/L		UJ	.002 MG/L		U	.0108 MG/L		-				.005 MG/L		UNV
MAGNESIUM	26.4 MG/L		-	25.2 MG/L		J	35.3 MG/L		J				21.2 MG/L		NV
MANGANESE	.177 MG/L		-	.16 MG/L		-	.319 MG/L		-				.281 MG/L		NV
MERCURY	.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U				.0002 MG/L		UNV
MOLYBDENUM													.025 MG/L		UNV
NICKEL	.02 MG/L		U	.02 MG/L		U	.0305 MG/L		-				.005 MG/L		UNV
POTASSIUM	3.71 MG/L		-	3.83 MG/L		-	3.83 MG/L		-				4.56 MG/L		NV
SELENIUM	.001 MG/L		UJ	.002 MG/L		U	.002 MG/L		U				.0025 MG/L		UNV
SILVER	.007 MG/L		U	.0167 MG/L		-	.0204 MG/L		-				.001 MG/L		UNV
SODIUM	13.8 MG/L		-	15.5 MG/L		J	15.3 MG/L		J				17.7 MG/L		NV
THALLIUM	.002 MG/L		UJ	.002 MG/L		UJ	.002 MG/L		UJ				.01 MG/L		UNV
VANADIUM	.003 MG/L		U	.01 MG/L		U	.0141 MG/L		-				.05 MG/L		UNV
ZINC	.0072 MG/L		U	.0241 MG/L		-	.069 MG/L		-				.035 MG/L		NV
PESTICIDES															
4,4'-DDD							.1 UG/L		U						
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						
ALDRIN							.05 UG/L		U						
ALPHA-BHC							.05 UG/L		U						
ALPHA-CHLORDANE							.5 UG/L		U						
AROCLOR-1016							.5 UG/L		U						
AROCLOR-1221							.5 UG/L		U						
AROCLOR-1232							.5 UG/L		U						
AROCLOR-1242							.5 UG/L		U						
AROCLOR-1248							.5 UG/L		U						
AROCLOR-1254							1 UG/L		U						
AROCLOR-1260							1 UG/L		U						
BETA-BHC							.05 UG/L		U						
DELTA-BHC							.05 UG/L		U						
DIELDRIN							.1 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.1 UG/L		U						
ENDRIN KETONE							.1 UG/L		U						

SAMPLE NUMBER:	GW930413-21			004344			004344			EMGW_SYSGEN_596			EMGW_SYSGEN_596		
LAB:	NET			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
GAMMA-BHC (LINDANE)							.05 UG/L		U						
GAMMA-CHLORDANE							.5 UG/L		U						
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							1 UG/L		U						
RADIONUCLIDES															
URANIUM-238										1.29 PCI/L		NV			
URANIUM, TOTAL										3.72 UG/L		NV			
URANIUM-234										4.36 PCI/L		NV			
THORIUM-230										.5 PCI/L		UNV			
RADIUM-226										1 PCI/L		UNV			
URANIUM-235/236										.304 PCI/L		NV			
THORIUM-232										.5 PCI/L		UNV			
THORIUM, TOTAL										4.6 UG/L		UNV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										.5 PCI/L		UNV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U						
1,2-DICHLOROBENZENE							10 UG/L		U						
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							50 UG/L		U						
2,4,6-TRICHLOROPHENOL							10 UG/L		U						
2,4-DICHLOROPHENOL							10 UG/L		U						
2,4-DIMETHYLPHENOL							10 UG/L		U						
2,4-DINITROPHENOL							50 UG/L		U						
2,4-DINITROTOLUENE							10 UG/L		U						
2,6-DINITROTOLUENE							10 UG/L		U						
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		U						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		U						
2-NITROANILINE							50 UG/L		U						
2-NITROPHENOL							10 UG/L		U						
3,3'-DICHLOROBENZIDINE							20 UG/L		U						
3-NITROANILINE							50 UG/L		U						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		U						

SAMPLE NUMBER:	GW930413-21			004344			004344			EMGW_SYSGEN_596			EMGW_SYSGEN_596		
LAB:	NET			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		U						
4-NITROANILINE							50 UG/L		U						
4-NITROPHENOL							50 UG/L		U						
ACENAPHTHENE							10 UG/L		U						
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		U						
BENZO(B)FLUORANTHENE							10 UG/L		U						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZOIC ACID							50 UG/L		U						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						
DI-N-OCTYL PHTHALATE							10 UG/L		U						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U						
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		U						
NITROBENZENE							10 UG/L		U						
P-CHLOROANILINE							10 UG/L		U						

SAMPLE NUMBER:	GW930413-21			004344			004344			EMGW_SYSGEN_596			EMGW_SYSGEN_596		
LAB:	NET			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PENTACHLOROPHENOL							50 UG/L		U						
PHENANTHRENE							10 UG/L		U						
PHENOL	.01 MG/L		U				10 UG/L		U						
PYRENE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		UJ												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		UJ												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		UJ												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_596	EMGW_SYSGEN_594	EMGW_SYSGEN_594	EMGW_SYSGEN_594	EMGW_SYSGEN_594D
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	IT	NET	NET	IT
WELL OR BORING NUMBER:	2055	2055	2055	2055	2055
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-AUG-90	14-FEB-90	14-FEB-90	14-FEB-90	14-FEB-90
NORTH COORDINATE:	481488.08	481488.08	481488.08	481488.08	481488.08
EAST COORDINATE:	1380703.99	1380703.99	1380703.99	1380703.99	1380703.99
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					EMGW_SYSGEN_594
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE	28 MG/L		NV							31 MG/L		NV			
FLUORIDE	.2 MG/L		NV							.2 MG/L		NV			
NITRATE, AS NITROGEN	.02 MG/L		UNV							.02 MG/L		UNV			
PHENOLS	.005 MG/L		UNV							.005 MG/L		UNV			
SULFATE	123 MG/L		NV							97 MG/L		NV			
TOTAL ORGANIC CARBON	4 MG/L		NV							2 MG/L		NV			
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV							.01 MG/L		UNV			
INORGANICS															
ALUMINUM	1.02 MG/L		NV				.082 MG/L		NV	.862 MG/L		NV			
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.0025 MG/L		UNV				.0025 MG/L		UNV	.0025 MG/L		UNV			
BARIUM	.2 MG/L		UNV				.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM	.001 MG/L		UNV												
CALCIUM	113 MG/L		NV				126 MG/L		NV	117 MG/L		NV			
CHROMIUM	.008 MG/L		NV							.005 MG/L		NV			
COBALT	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV			
COPPER	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV			
IRON	5.21 MG/L		NV				2.57 MG/L		NV	3.6 MG/L		NV			
LEAD	.005 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM	29.6 MG/L		NV				26.3 MG/L		NV	26.6 MG/L		NV			
MANGANESE	.343 MG/L		NV				.118 MG/L		NV	.22 MG/L		NV			
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	.025 MG/L		UNV												
NICKEL	.005 MG/L		NV				.005 MG/L		UNV	.005 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_596			EMGW_SYSGEN_594			EMGW_SYSGEN_594			EMGW_SYSGEN_594			EMGW_SYSGEN_594D		
LAB:	NET			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM	5 MG/L		NV												
SELENIUM	.0025 MG/L		UNV												
SILVER	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM	17.8 MG/L		NV				23.1 MG/L		NV	25.7 MG/L		NV			
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV			
ZINC	.04 MG/L		NV				.02 MG/L		UNV	.02 MG/L		UNV			
RADIONUCLIDES															
URANIUM-238				.464 PCI/L		NV							.562 PCI/L		NV
URANIUM, TOTAL				2.55 UG/L		NV							2.63 UG/L		NV
URANIUM-234				.792 PCI/L		NV							.713 PCI/L		NV
THORIUM-230				.542 PCI/L		UNV							.333 PCI/L		UNV
URANIUM-235/236				.2 PCI/L		UNV							.289 PCI/L		UNV
TECHNETIUM-99				30 PCI/L		UNV							30 PCI/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV							2 UG/L		UNV			
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_596			EMGW_SYSGEN_594			EMGW_SYSGEN_594			EMGW_SYSGEN_594			EMGW_SYSGEN_594D		
LAB:	NET			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV							1 UG/L		UNV			
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
TOLUENE	1 UG/L		UNV							1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_594D	EMGW_SYSGEN_594D	GW930114-2	GW930114-2	GW930114-2
TASK:	GWMON	GWMON	RCRA	RCRA	RCRA
LAB:	NET	NET	CORE	FERMCO Laboratory	NET
WELL OR BORING NUMBER:	2055	2055	2055	2055	2055
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-FEB-90	14-FEB-90	14-JAN-93	14-JAN-93	14-JAN-93
NORTH COORDINATE:	481488.08	481488.08	481488.08	481488.08	481488.08
EAST COORDINATE:	1380703.99	1380703.99	1380703.99	1380703.99	1380703.99
QA TYPE:	DUPLICATE	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:	EMGW_SYSGEN_594	EMGW_SYSGEN_594			
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE				30 MG/L		NV									
FLUORIDE				.19 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PHENOLS				.005 MG/L		UNV									
SULFATE				93 MG/L		NV									
TOTAL DISSOLVED SOLIDS													529 MG/L		NV
TOTAL ORGANIC CARBON				2 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM	.05 MG/L		UNV	.463 MG/L		NV							.2 MG/L		UNV
ANTIMONY													.02 MG/L		UNV
ARSENIC	.0025 MG/L		UNV	.0025 MG/L		UNV							.005 MG/L		UNV
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV							.2 MG/L		UNV
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.005 MG/L		UNV
CADMIUM													.001 MG/L		UNV
CALCIUM	122 MG/L		NV	119 MG/L		NV							117 MG/L		NV
CHROMIUM				.005 MG/L		UNV							.002 MG/L		UNV
COBALT	.025 MG/L		UNV	.025 MG/L		UNV							.005 MG/L		UNV
COPPER	.025 MG/L		UNV	.025 MG/L		UNV							.02 MG/L		UNV
IRON	2.55 MG/L		NV	3.43 MG/L		NV							2 MG/L		NV
LEAD	.005 MG/L		UNV	.005 MG/L		UNV							.003 MG/L		UNV
MAGNESIUM	26.1 MG/L		NV	26.1 MG/L		NV							27.6 MG/L		NV
MANGANESE	.118 MG/L		NV	.21 MG/L		NV							.198 MG/L		NV
MERCURY													.0002 MG/L		UNV
MOLYBDENUM													.01 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_594D			EMGW_SYSGEN_594D			GW930114-2			GW930114-2			GW930114-2		
LAB:	NET			NET			CORE			FERMCO Laboratory			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.005 MG/L		UNV	.005 MG/L		UNV							.01 MG/L		UNV
SELENIUM													.005 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV							.001 MG/L		UNV
SODIUM	27.3 MG/L		NV	25.3 MG/L		NV									
THALLIUM													.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV							.05 MG/L		UNV
ZINC	.02 MG/L		UNV	.02 MG/L		UNV							.02 MG/L		UNV
RADIONUCLIDES															
URANIUM, TOTAL							.5 UG/L		NV	.9 UG/L		NV			
THORIUM-230							.9 PCI/L	.3	NV						
RADIUM-226							1 PCI/L	.3	UNV						
THORIUM-232							.2 PCI/L	.1	UNV						
THORIUM, TOTAL							1.3 UG/L		NV						
RADIUM-228							3 PCI/L	1.1	UNV						
THORIUM-228							.2 PCI/L	.1	UNV						
PLUTONIUM-239/240							.5 PCI/L	.2	UNV						
PLUTONIUM-238							.5 PCI/L	.2	UNV						
GROSS ALPHA							.7 PCI/L	2.5	UNV						
GROSS BETA							6.7 PCI/L	3.4	NV						
VOLATILES															
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
ACETONE				2 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930114-2	GW930114-4	GW930114-4	GW930114-4	GW930114-4
TASK:	RCRA	RCRA	RCRA	RCRA	RCRA
LAB:	NET	CORE	FERMCO Laboratory	NET	NET
WELL OR BORING NUMBER:	2055	2055	2055	2055	2055
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-JAN-93	14-JAN-93	14-JAN-93	14-JAN-93	14-JAN-93
NORTH COORDINATE:	481488.08	481488.08	481488.08	481488.08	481488.08
EAST COORDINATE:	1380703.99	1380703.99	1380703.99	1380703.99	1380703.99
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE
QC OF:		GW930114-2	GW930114-2	GW930114-2	GW930114-2
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	217 MG/L		NV										213 MG/L		NV
ALLYL CHLORIDE	5 UG/L		UNV										5 UG/L		UNV
AMMONIA	.42 MG/L		NV										.42 MG/L		NV
BICARBONATE ALKALINITY	299 MG/L		NV										244 MG/L		NV
CARBONATE ALKALINITY	3 MG/L		UNV										3 MG/L		UNV
CHLORIDE	42 MG/L		NV										38 MG/L		NV
FLUORIDE	.17 MG/L		NV										.17 MG/L		NV
NITRATE	.02 MG/L		UNV										.02 MG/L		UNV
NITRITE, AS NITROGEN	.02 MG/L		UNV										.02 MG/L		UNV
PH	7.02 SU		NV										6.98 SU		NV
PHENOLS	.01 MG/L		UNV										.01 MG/L		UNV
PHOSPHORUS	.1 MG/L		UNV										.1 MG/L		UNV
SPECIFIC CONDUCTIVITY	817 UMHOS/CM		NV										850 UMHOS/CM		NV
SULFATE	160 MG/L		NV										144 MG/L		NV
TOTAL DISSOLVED SOLIDS										536 MG/L		NV			
TOTAL ORGANIC CARBON	4 MG/L		NV										5 MG/L		NV
TOTAL ORGANIC HALIDES	.01 MG/L		UNV										.01 MG/L		UNV
TOTAL SOLIDS	574 MG/L		NV										569 MG/L		NV
INORGANICS															
ALUMINUM	.2 MG/L		UNV							.2 MG/L		UNV	.2 MG/L		UNV
ANTIMONY	.02 MG/L		UNV							.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC	.005 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
BARIUM	.2 MG/L		UNV							.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM	.005 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM	.001 MG/L		UNV							.001 MG/L		UNV	.001 MG/L		UNV

SAMPLE NUMBER:	GW930114-2			GW930114-4			GW930114-4			GW930114-4			GW930114-4		
LAB:	NET			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	115 MG/L		NV							119 MG/L		NV	116 MG/L		NV
CHROMIUM	.002 MG/L		UNV							.002 MG/L		UNV	.002 MG/L		UNV
COBALT	.005 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
COPPER	.02 MG/L		UNV							.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE	.005 MG/L		UNV										.005 MG/L		UNV
IRON	2.3 MG/L		NV							1.87 MG/L		NV	2.28 MG/L		NV
LEAD	.003 MG/L		UNV							.003 MG/L		UNV	.003 MG/L		UNV
MAGNESIUM	27.6 MG/L		NV							27.9 MG/L		NV	27 MG/L		NV
MANGANESE	.204 MG/L		NV							.192 MG/L		NV	.2 MG/L		NV
MERCURY	.0002 MG/L		UNV							.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.01 MG/L		UNV							.01 MG/L		UNV	.01 MG/L		UNV
NICKEL	.01 MG/L		UNV							.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM	4.4 MG/L		NV										4.4 MG/L		NV
SELENIUM	.005 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
SILVER	.001 MG/L		UNV							.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	14 MG/L		NV										13.8 MG/L		NV
THALLIUM	.01 MG/L		UNV							.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV							.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.02 MG/L		UNV							.02 MG/L		UNV	.02 MG/L		UNV
MISC															
1,2,3-TRICHLOROPROPANE	5 UG/L		UNV										5 UG/L		UNV
1,2-DIBROMO-3-CHLOROPROPANE	2 UG/L		UNV										2 UG/L		UNV
1,2-DIBROMOETHANE	2 UG/L		UNV										2 UG/L		UNV
2-CHLORO-1,3-BUTADIENE	5 UG/L		UNV										5 UG/L		UNV
ACROLEIN	50 UG/L		UNV										50 UG/L		UNV
ACROLEIN	50 UG/L		UNV										50 UG/L		UNV
ACROLEIN	50 UG/L		UNV										50 UG/L		UNV
ACROLEIN	50 UG/L		UNV										50 UG/L		UNV
ACRYLONITRILE	50 UG/L		UNV										50 UG/L		UNV
DICHLORODIFLUOROMETHANE	10 UG/L		UNV										10 UG/L		UNV
ETHYL CYANIDE	20 UG/L		UNV										20 UG/L		UNV
ETHYL METHACRYLATE	5 UG/L		UNV										5 UG/L		UNV
IODOMETHANE	5 UG/L		UNV										5 UG/L		UNV
METHACRYLONITRILE	5 UG/L		UNV										5 UG/L		UNV
METHYL METHACRYLATE	5 UG/L		UNV										5 UG/L		UNV
PENTACHLOROETHANE	5 UG/L		UNV										5 UG/L		UNV
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
TRANS-1,4-DICHLORO-2-BUTENE	20 UG/L		UNV										20 UG/L		UNV

RADIONUCLIDES

URANIUM, TOTAL .5 UG/L NV .8 UG/L NV

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930114-2			GW930114-4			GW930114-4			GW930114-4			GW930114-4		
LAB:	NET			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230				.2 PCI/L	.1	UNV									
RADIUM-226				1.2 PCI/L	.4	NV									
THORIUM-232				.2 PCI/L	.1	UNV									
THORIUM, TOTAL				.7 UG/L		NV									
RADIUM-228				3 PCI/L	1.1	UNV									
THORIUM-228				.2 PCI/L	.1	UNV									
PLUTONIUM-239/240				.5 PCI/L	.1	UNV									
PLUTONIUM-238				.5 PCI/L	.1	UNV									
GROSS ALPHA				.7 PCI/L	2.3	UNV									
GROSS BETA				5.5 PCI/L	3.4	NV									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV										10 UG/L		UNV
CUMENE	1 UG/L		UNV										1 UG/L		UNV
VOLATILES															
1,1,1,2-TETRACHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1,1-TRICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1,2-TRICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1-DICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1-DICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROPROPANE	1 UG/L		UNV										1 UG/L		UNV
2-BUTANONE	10 UG/L		UNV										10 UG/L		UNV
2-HEXANONE	10 UG/L		UNV										10 UG/L		UNV
4-METHYL-2-PENTANONE	10 UG/L		UNV										10 UG/L		UNV
ACETONE	10 UG/L		UNV										10 UG/L		UNV
BENZENE	1 UG/L		UNV										1 UG/L		UNV
BROMODICHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
BROMOFORM	1 UG/L		UNV										1 UG/L		UNV
BROMOMETHANE	5 UG/L		UNV										5 UG/L		UNV
CARBON DISULFIDE	1 UG/L		UNV										1 UG/L		UNV
CARBON TETRACHLORIDE	1 UG/L		UNV										1 UG/L		UNV
CHLOROBENZENE	1 UG/L		UNV										1 UG/L		UNV
CHLOROETHANE	10 UG/L		UNV										10 UG/L		UNV

SAMPLE NUMBER:	GW930114-2			GW930114-4			GW930114-4			GW930114-4			GW930114-4		
LAB:	NET			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROFORM	1 UG/L		UNV										1 UG/L		UNV
CHLOROMETHANE	10 UG/L		UNV										10 UG/L		UNV
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV										1 UG/L		UNV
DIBROMOCHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
ETHYLBENZENE	1 UG/L		UNV										1 UG/L		UNV
METHYLENE CHLORIDE	10 UG/L		UNV										10 UG/L		UNV
STYRENE	1 UG/L		UNV										1 UG/L		UNV
TETRACHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
TOLUENE	1 UG/L		UNV										1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV										1 UG/L		UNV
TRICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
TRICHLOROFLUOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
VINYL ACETATE	10 UG/L		UNV										10 UG/L		UNV
VINYL CHLORIDE	5 UG/L		UNV										5 UG/L		UNV
XYLENES, TOTAL	1 UG/L		UNV										1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066511	066511	066511	066456	066456
TASK:	9.25	9.25	9.25	9.25	9.25
LAB:	IT	IT	IT/RSL	IT	IT
WELL OR BORING NUMBER:	2055	2055	2055	2055	2055
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-AUG-89	17-AUG-89	17-AUG-89	20-JUN-89	20-JUN-89
NORTH COORDINATE:	481488.08	481488.08	481488.08	481488.08	481488.08
EAST COORDINATE:	1380703.99	1380703.99	1380703.99	1380703.99	1380703.99
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE				26.5 MG/L		-							23.6 MG/L		-
FLUORIDE				.14 MG/L		-							.187 MG/L		-
NITRATE				.1 MG/L		U							.1 MG/L		UR
SULFATE				116 MG/L		-							153 MG/L		J
TOTAL ORGANIC CARBON				1 MG/L		U							52.8 MG/L		-
TOTAL ORGANIC HALIDES				.01 MG/L		U							.01 MG/L		UR
INORGANICS															
ALUMINUM	.165 MG/L		U							.134 MG/L		-			
BARIUM	.096 MG/L		-							.0918 MG/L		-			
BERYLLIUM	.002 MG/L		U							.001 MG/L		U			
CALCIUM	124 MG/L		-							105 MG/L		-			
CHROMIUM	.03 MG/L		U							.0287 MG/L		-			
COBALT	.01 MG/L		U							.01 MG/L		U			
COPPER	.01 MG/L		U							.01 MG/L		U			
IRON	2.45 MG/L		-							2.51 MG/L		-			
LEAD	.002 MG/L		U							.0021 MG/L		J			
MAGNESIUM	28.5 MG/L		-							26.6 MG/L		-			
NICKEL	.024 MG/L		-							.02 MG/L		U			
SILVER	.012 MG/L		-							.0148 MG/L		-			
VANADIUM	.021 MG/L		-							.0187 MG/L		-			
ZINC	.039 MG/L		U							.0325 MG/L		J			
RADIONUCLIDES															
URANIUM-238							1.4 PCI/L	.4	-				1 PCI/L		U

SAMPLE NUMBER:	066511			066511			066511			066456			066456		
LAB:	IT			IT			IT/RSL			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL							3 UG/L	1	-				2 UG/L	1	-
URANIUM-234							1.2 PCI/L	.4	-				1 PCI/L		U
THORIUM-230							1 PCI/L		U				1 PCI/L		U
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-228							1 PCI/L		U				1 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		UJ
VOLATILES															
1,1-DICHLOROETHANE				5 UG/L		U							5 UG/L		U
ACETONE				10 UG/L		U							18 UG/L		U
METHYLENE CHLORIDE				5 UG/L		U							9 UG/L		U
TETRACHLOROETHENE				5 UG/L		U							5 UG/L		U
TOLUENE				5 UG/L		U							5 UG/L		UJ
TRICHLOROETHENE				5 UG/L		U							5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066718			066719			066719			066748			066749		
TASK:	9.27			9.27			9.27			9.27			9.27		
LAB:	IT			WMCO			WMCO			IT			WMCO		
WELL OR BORING NUMBER:	2055			2055			2055			2055			2055		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	29-NOV-89			29-NOV-89			29-NOV-89			29-NOV-89			29-NOV-89		
NORTH COORDINATE:	481488.08			481488.08			481488.08			481488.08			481488.08		
EAST COORDINATE:	1380703.99			1380703.99			1380703.99			1380703.99			1380703.99		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			DUPLICATE		
QC OF:										066718			066719		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE							29 MG/L		NV						
FLUORIDE							.17 MG/L		NV						
NITRATE							.31 MG/L		NV						
PHENOLS							.016 MG/L		NV						
SULFATE							88 MG/L		NV						
TOTAL ORGANIC CARBON							1 MG/L		NV						
TOTAL ORGANIC HALIDES							.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.05 MG/L		UNV	1.67 MG/L		NV				.05 MG/L		UNV
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV				.0025 MG/L		UNV
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV				.2 MG/L		UNV
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV
CALCIUM				99.1 MG/L		NV	111 MG/L		NV				97.7 MG/L		NV
CHROMIUM				.005 MG/L		UNV	.011 MG/L		NV				.005 MG/L		UNV
COBALT				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
COPPER				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
IRON				1.94 MG/L		NV	4.54 MG/L		NV				1.99 MG/L		NV
LEAD				.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV
MAGNESIUM				24.1 MG/L		NV	27.8 MG/L		NV				23.5 MG/L		NV
MANGANESE				.207 MG/L		NV	.249 MG/L		NV				.196 MG/L		NV
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV
SILVER				.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV
SODIUM				16.1 MG/L		NV	8.9 MG/L		NV				15.4 MG/L		NV
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV
ZINC				.027 MG/L		NV	.041 MG/L		NV				.026 MG/L		NV

SAMPLE NUMBER:	066718			066719			066719			066748			066749		
LAB:	IT			WMCO			WMCO			IT			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			F-FIL			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U							1 PCI/L		U			
URANIUM, TOTAL	3 UG/L	1	-							5 UG/L	1	-			
URANIUM-234	1 PCI/L		U							1.09 PCI/L	.38	-			
THORIUM-230	1 PCI/L		U							1 PCI/L		U			
URANIUM-235/236	1 PCI/L		U							1 PCI/L		U			
THORIUM-228	1 PCI/L		U							1 PCI/L		U			
TECHNETIUM-99	30 PCI/L		U							30 PCI/L		U			
VOLATILES															
1,1-DICHLOROETHANE							2.5 UG/L		UNV						
1,2-DICHLOROETHANE							2.5 UG/L		UNV						
ACETONE							2.5 UG/L		UNV						
METHYLENE CHLORIDE							2.5 UG/L		UNV						
TETRACHLOROETHENE							2.5 UG/L		UNV						
TOLUENE							2.5 UG/L		UNV						
TRICHLOROETHENE							2.5 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066749			003159			003159			003781			003781		
TASK:	9.27			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	WMCO			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2055			2056			2056			2056			2056		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	29-NOV-89			06-MAY-88			06-MAY-88			07-DEC-88			07-DEC-88		
NORTH COORDINATE:	481488.08			490669.52			490669.52			490669.52			490669.52		
EAST COORDINATE:	1380703.99			1374692.87			1374692.87			1374692.87			1374692.87		
QA TYPE:	DUPLICATE			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:	066719														
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							2.7 MG/L		-				3.24 MG/L		J
CHLORIDE	29 MG/L		NV				39.5 MG/L		-				6 MG/L		-
FLUORIDE	.17 MG/L		NV				1.1 MG/L		-				1.05 MG/L		-
NITRATE	.16 MG/L		NV				.1 MG/L		R				.016 MG/L		J
PHENOLS	.005 MG/L		UNV				.01 MG/L		UJ				.014 MG/L		-
PHOSPHORUS							.11 MG/L		J				.098 MG/L		-
SULFATE	83 MG/L		NV				6 MG/L		-				54.4 MG/L		-
TOTAL KJELDAHL NITROGEN													3.5 MG/L		J
TOTAL ORGANIC CARBON	1 MG/L		UNV												
TOTAL ORGANIC HALIDES	.01 MG/L		UNV										.05 MG/L		U
TOTAL ORGANIC NITROGEN							.2 MG/L		-				.26 MG/L		J
INORGANICS															
ALUMINUM	.598 MG/L		NV												
ARSENIC	.0025 MG/L		UNV	.2 MG/L		U				.029 MG/L		-			
BARIUM	.2 MG/L		UNV	.669 MG/L		-				.713 MG/L		-			
BERYLLIUM	.01 MG/L		UNV												
CADMIUM				.005 MG/L		U				.002 MG/L		U			
CALCIUM	102 MG/L		NV	63.6 MG/L		-				73.5 MG/L		-			
CHROMIUM	.005 MG/L		UNV	.02 MG/L		U				.02 MG/L		U			
COBALT	.025 MG/L		UNV												
COPPER	.025 MG/L		UNV	.01 MG/L		U				.01 MG/L		U			
IRON	3.69 MG/L		NV	2.51 MG/L		-				3.51 MG/L		-			
LEAD	.005 MG/L		UNV	.05 MG/L		U				.002 MG/L		UJ			
MAGNESIUM	25.7 MG/L		NV	22.5 MG/L		-				26 MG/L		-			
MANGANESE	.216 MG/L		NV	.014 MG/L		-				.018 MG/L		-			

SAMPLE NUMBER:	066749			003159			003159			003781			003781		
LAB:	WMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.02 MG/L		U				.02 MG/L		U			
NICKEL	.005 MG/L		UNV	.02 MG/L		U				.02 MG/L		U			
POTASSIUM				1.33 MG/L		-				13.4 MG/L		-			
SELENIUM				.2 MG/L		U				.002 MG/L		UJ			
SILVER	.001 MG/L		UNV	.01 MG/L		U				.0005 MG/L		UJ			
SODIUM	104 MG/L		NV	28.1 MG/L		-				36.4 MG/L		-			
VANADIUM	.05 MG/L		UNV												
ZINC	.29 MG/L		NV												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL							1 UG/L		U				1 UG/L		U
URANIUM-234							1 PCI/L		U				1 PCI/L		U
THORIUM-230							1 PCI/L		U				1 PCI/L		U
RADIUM-226							2 PCI/L	.9	R				1 PCI/L		U
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-232							1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL													3 UG/L		U
RADIUM-228							3 PCI/L		R				3 PCI/L		U
THORIUM-228							1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237							1 PCI/L		R				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		U				1 PCI/L		U
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R
VOLATILES															
1,1-DICHLOROETHANE	2.5 UG/L		UNV												
1,2-DICHLOROETHANE	2.5 UG/L		UNV												
ACETONE	2.5 UG/L		UNV												
METHYLENE CHLORIDE	2.5 UG/L		UNV												
TETRACHLOROETHENE	2.5 UG/L		UNV												
TOLUENE	2.5 UG/L		UNV												
TRICHLOROETHENE	2.5 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003967	003967	004045	004045	003575
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2056	2056	2056	2056	2056
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-MAR-89	13-MAR-89	13-MAR-89	13-MAR-89	25-AUG-88
NORTH COORDINATE:	490669.52	490669.52	490669.52	490669.52	490669.52
EAST COORDINATE:	1374692.87	1374692.87	1374692.87	1374692.87	1374692.87
QA TYPE:	NORMAL	NORMAL	DUPLICATE	DUPLICATE	NORMAL
QC OF:			003967	003967	
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				3.2 MG/L		-				3.1 MG/L		-			
CHLORIDE				46 MG/L		-				47 MG/L		-			
FLUORIDE				.9 MG/L		-				.9 MG/L		-			
NITRATE				.02 MG/L		R				.02 MG/L		UJ			
PHENOLS				.009 MG/L		-				.005 MG/L		U			
PHOSPHORUS				.07 MG/L		J				.04 MG/L		J			
SULFATE				2 MG/L		U				2 MG/L		U			
TOTAL KJELDAHL NITROGEN				2.7 MG/L		-				2.8 MG/L		-			
TOTAL ORGANIC HALIDES				.05 MG/L		U				.05 MG/L		U			
INORGANICS															
ARSENIC	.027 MG/L		J				.027 MG/L		J				.254 MG/L		-
BARIUM	.66 MG/L		J				.67 MG/L		J				.658 MG/L		-
CADMIUM	.005 MG/L		UJ				.005 MG/L		UJ				.002 MG/L		U
CALCIUM	76 MG/L		J				78 MG/L		J				73.3 MG/L		-
CHROMIUM	.03 MG/L		J				.02 MG/L		J				.02 MG/L		U
COPPER	.01 MG/L		UJ				.01 MG/L		UJ				.01 MG/L		U
IRON	3.5 MG/L		J				3.6 MG/L		J				2.15 MG/L		-
LEAD	.002 MG/L		UJ				.002 MG/L		UJ				.028 MG/L		J
MAGNESIUM	25 MG/L		J				26 MG/L		J				25.9 MG/L		-
MANGANESE	.02 MG/L		J				.021 MG/L		J				.018 MG/L		-
MERCURY	.0002 MG/L		J				.0004 MG/L		J				.0002 MG/L		UJ
MOLYBDENUM	.02 MG/L		J				.02 MG/L		J				.02 MG/L		U
NICKEL	.03 MG/L		UJ				.03 MG/L		UJ				.02 MG/L		U
POTASSIUM	1.3 MG/L		J				1.3 MG/L		J				1.9 MG/L		-
SELENIUM	.005 MG/L		UJ				.005 MG/L		UJ				.002 MG/L		U

SAMPLE NUMBER:	003967			003967			004045			004045			003575		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SILVER	.01 MG/L		UJ				.01 MG/L		UJ				.01 MG/L		U
SODIUM	40 MG/L		J				41 MG/L		J				36.2 MG/L		-
RADIONUCLIDES															
URANIUM-238				1 PCI/L		R				1 PCI/L		U			
URANIUM, TOTAL				2.7 UG/L	.5	-				1 UG/L		U			
URANIUM-234				1 PCI/L		R				1 PCI/L		U			
THORIUM-230				1 PCI/L		U				1 PCI/L		U			
RADIUM-226				1 PCI/L		U				1 PCI/L		U			
URANIUM-235/236				1 PCI/L		R				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL				6 UG/L		U				7 UG/L		U			
RADIUM-228				3 PCI/L		R				3 PCI/L		R			
THORIUM-228				1 PCI/L		U				1 PCI/L		U			
NEPTUNIUM-237				1 PCI/L		UJ				1 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003575			003265			003265			003779			003779		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2056			2057			2057			2057			2057		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-AUG-88			03-JUN-88			03-JUN-88			13-DEC-88			13-DEC-88		
NORTH COORDINATE:	490669.52			479621.12			479621.12			479621.12			479621.12		
EAST COORDINATE:	1374692.87			1372807.54			1372807.54			1372807.54			1372807.54		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	3.1 MG/L		-				.1 MG/L		-				.12 MG/L		-
CHLORIDE	44 MG/L		-				20.1 MG/L		-				5 MG/L		J
FLUORIDE	1.25 MG/L		-				.3 MG/L		J				.34 MG/L		-
NITRATE	.1 MG/L		U				.1 MG/L		R				.1 MG/L		R
PHENOLS	.01 MG/L		U				.02 MG/L		-				.01 MG/L		U
PHOSPHORUS	.125 MG/L		-				.195 MG/L		-				.175 MG/L		-
SULFATE	2 MG/L		UJ				24 MG/L		-				43.7 MG/L		J
TOTAL KJELDAHL NITROGEN													.23 MG/L		J
TOTAL ORGANIC HALIDES	.05 MG/L		U										.05 MG/L		UJ
TOTAL ORGANIC NITROGEN	2.75 MG/L		J				.3 MG/L		J				.11 MG/L		-
INORGANICS															
ARSENIC				.2 MG/L		U				.002 MG/L		U			
BARIUM				.05 MG/L		U				.036 MG/L		-			
CADMIUM				.005 MG/L		U				.002 MG/L		U			
CALCIUM				84.1 MG/L		-				83.5 MG/L		-			
CHROMIUM				.02 MG/L		U				.02 MG/L		U			
COPPER				.01 MG/L		U				.014 MG/L		-			
IRON				1.25 MG/L		-				.019 MG/L		-			
LEAD				.05 MG/L		U				.002 MG/L		U			
MAGNESIUM				23.1 MG/L		-				22.8 MG/L		-			
MANGANESE				.47 MG/L		-				.395 MG/L		-			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.02 MG/L		U				.02 MG/L		U			
NICKEL				.02 MG/L		U				.02 MG/L		U			
POTASSIUM				.91 MG/L		-				.801 MG/L		-			

SAMPLE NUMBER:	003575			003265			003265			003779			003779		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.2 MG/L		U				.002 MG/L		UJ			
SILVER				.034 MG/L		-				.01 MG/L		UJ			
SODIUM				3.99 MG/L		-				3.64 MG/L		-			
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL	.1 UG/L		U				1 UG/L		UJ				.1 UG/L	.1	U
URANIUM-234	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM-230	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
RADIUM-226	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM-232	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL	2 UG/L		U										2 UG/L		U
RADIUM-228	3 PCI/L		U				3 PCI/L		U				3 PCI/L		U
THORIUM-228	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R				150 PCI/L		R
CESIUM-137	20 PCI/L		R				20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003965	003965	003573	003573	003889
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2057	2057	2057	2057	2060
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-MAR-89	14-MAR-89	25-AUG-88	25-AUG-88	01-FEB-89
NORTH COORDINATE:	479621.12	479621.12	479621.12	479621.12	475865.6
EAST COORDINATE:	1372807.54	1372807.54	1372807.54	1372807.54	1380010.6
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.4 MG/L		UJ				.2 MG/L		-			
CHLORIDE				3.5 MG/L		UJ				3 MG/L		-			
FLUORIDE				.2 MG/L		J				.38 MG/L		-			
NITRATE				.03 MG/L		J				.1 MG/L		U			
PHENOLS				.007 MG/L		J				.012 MG/L		-			
PHOSPHORUS				.08 MG/L		J				.05 MG/L		U			
SULFATE				24 MG/L		J				23 MG/L		J			
TOTAL KJELDAHL NITROGEN				.4 MG/L		UJ									
TOTAL ORGANIC HALIDES				.05 MG/L		UJ				.05 MG/L		U			
TOTAL ORGANIC NITROGEN										.1 MG/L		UJ			
INORGANICS															
ARSENIC	.004 MG/L		J				.037 MG/L		-				.002 MG/L		UJ
BARIUM	.043 MG/L		J				.045 MG/L		-				.054 MG/L		J
CADMIUM	.005 MG/L		UJ				.002 MG/L		U				.02 MG/L		UJ
CALCIUM	90 MG/L		J				83.4 MG/L		-				90.6 MG/L		J
CHROMIUM	.02 MG/L		J				.02 MG/L		U				.03 MG/L		J
COPPER	.01 MG/L		UJ				.01 MG/L		U				.018 MG/L		J
IRON	.02 MG/L		UJ				1.38 MG/L		-				.161 MG/L		J
LEAD	.002 MG/L		UJ				.002 MG/L		UJ				.002 MG/L		UJ
MAGNESIUM	22 MG/L		J				22.7 MG/L		-				24.3 MG/L		J
MANGANESE	.48 MG/L		J				.453 MG/L		-				.01 MG/L		J
MERCURY	.0002 MG/L		UJ				.0002 MG/L		UJ				.001 MG/L		J
MOLYBDENUM	.01 MG/L		J				.02 MG/L		U				.02 MG/L		UJ
NICKEL	.03 MG/L		UJ				.02 MG/L		U				.02 MG/L		UJ
POTASSIUM	.86 MG/L		J				1.6 MG/L		-				5.58 MG/L		J

SAMPLE NUMBER:	003965			003965			003573			003573			003889		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.005 MG/L		UJ				.002 MG/L		U				.002 MG/L		UJ
SILVER	.01 MG/L		UJ				.01 MG/L		U				.0005 MG/L		UJ
SODIUM	3.9 MG/L		J				3.86 MG/L		-				13.6 MG/L		J
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		U			
URANIUM, TOTAL				.2 UG/L	.1	J				.3 UG/L	.1	J			
URANIUM-234				1 PCI/L		U				1 PCI/L		U			
THORIUM-230				1 PCI/L		U				1 PCI/L		U			
RADIUM-226				1 PCI/L		U				1 PCI/L		U			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL				10 UG/L		UJ				2 UG/L		U			
RADIUM-228				3 PCI/L		U				3 PCI/L		U			
THORIUM-228				1 PCI/L		U				1 PCI/L		U			
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			

SAMPLE NUMBER:	003889	003257	003257	003260	003260
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2060	2060	2060	2060	2060
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-FEB-89	02-JUN-88	02-JUN-88	02-JUN-88	02-JUN-88
NORTH COORDINATE:	475865.6	475865.6	475865.6	475865.6	475865.6
EAST COORDINATE:	1380010.6	1380010.6	1380010.6	1380010.6	1380010.6
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE
QC OF:		003261	003260	003257	003257
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UJ				.1 MG/L		-				.12 MG/L		-
CHLORIDE	22 MG/L		J				30 MG/L		-				24.7 MG/L		-
FLUORIDE	.48 MG/L		J				.62 MG/L		-				.29 MG/L		-
NITRATE	.34 MG/L		J				1 MG/L		J				.3 MG/L		J
PHENOLS	.01 MG/L		UJ				.01 MG/L		-				.02 MG/L		-
PHOSPHORUS	.03 MG/L		J				.09 MG/L		-				.09 MG/L		-
SULFATE	78.3 MG/L		J				62 MG/L		-				15 MG/L		-
TOTAL KJELDAHL NITROGEN	.1 MG/L		UJ												
TOTAL ORGANIC HALIDES	.019 MG/L		-												
TOTAL ORGANIC NITROGEN	.1 MG/L		UJ				.1 MG/L		U				.1 MG/L		U
INORGANICS															
ARSENIC				.2 MG/L		UJ				.2 MG/L		UJ			
BARIUM				.04 MG/L		-				.036 MG/L		-			
CADMIUM				.002 MG/L		U				.002 MG/L		-			
CALCIUM				78.9 MG/L		-				80.7 MG/L		-			
CHROMIUM				.02 MG/L		U				.02 MG/L		U			
COPPER				.01 MG/L		U				.01 MG/L		U			
IRON				.074 MG/L		-				.067 MG/L		-			
LEAD				.05 MG/L		U				.05 MG/L		U			
MAGNESIUM				20.4 MG/L		-				20.7 MG/L		-			
MANGANESE				.02 MG/L		U				.02 MG/L		U			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.035 MG/L		-				.02 MG/L		U			
NICKEL				.02 MG/L		U				.02 MG/L		U			
POTASSIUM				3.17 MG/L		-				3.36 MG/L		-			

SAMPLE NUMBER:	003889			003257			003257			003260			003260		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.2 MG/L		U				.2 MG/L		U			
SILVER				.02 MG/L		-				.01 MG/L		U			
SODIUM				10.4 MG/L		-				10.7 MG/L		-			
RADIONUCLIDES															
URANIUM-238	99.3 PCI/L	13.1	-				60.6 PCI/L	8.3	-				70.4 PCI/L	7.9	-
URANIUM, TOTAL	250 UG/L	41	J				242 UG/L	39	-				203 UG/L	32	-
URANIUM-234	79.7 PCI/L	10.6	-				58.2 PCI/L	8	-				69.1 PCI/L	7.8	-
THORIUM-230	1 PCI/L		U				1.1 PCI/L	.3	-				1 PCI/L		U
RADIUM-226	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM-235/236	3.4 PCI/L	.8	-				3.7 PCI/L	.9	-				4 PCI/L	.6	-
THORIUM-232	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL	3 UG/L		U												
RADIUM-228	3 PCI/L		UJ				3.8 PCI/L	1.4	J				3 PCI/L		U
THORIUM-228	1 PCI/L		U				4.2 PCI/L	.8	-				1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R				150 PCI/L		R
CESIUM-137	20 PCI/L		R				20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004223	004223	003399	003399	003399
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2060	2060	2060	2060	2060
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-MAR-90	02-MAR-90	04-AUG-88	04-AUG-88	04-AUG-88
NORTH COORDINATE:	475865.6	475865.6	475865.6	475865.6	475865.6
EAST COORDINATE:	1380010.6	1380010.6	1380010.6	1380010.6	1380010.6
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	F-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U							.1 MG/L		UJ
CHLORIDE				13.2 MG/L		-							24.5 MG/L		-
FLUORIDE				.54 MG/L		-							.58 MG/L		-
NITRATE				1.73 MG/L		-							1.2 MG/L		-
PHENOLS				.015 MG/L		-							.02 MG/L		J
PHOSPHORUS				.07 MG/L		-							.05 MG/L		-
SULFATE				59.2 MG/L		-							54 MG/L		-
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				.978 MG/L		U									
TOTAL ORGANIC HALIDES				.033 MG/L		J									
TOTAL ORGANIC NITROGEN				.1 MG/L		UJ							.1 MG/L		U
INORGANICS															
ALUMINUM	.133 MG/L		-												
ANTIMONY	.03 MG/L		U												
ARSENIC	.002 MG/L		U							.01 MG/L		U			
BARIUM	.0373 MG/L		-							.2 MG/L		U			
BERYLLIUM	.001 MG/L		U												
CADMIUM	.002 MG/L		U							.005 MG/L		U			
CALCIUM	82.8 MG/L		-							85 MG/L		-			
CHROMIUM	.0344 MG/L		J							.01 MG/L		U			
COBALT	.01 MG/L		U												
COPPER	.01 MG/L		U							.03 MG/L		U			
CYANIDE				.01 MG/L		UR									
IRON	.116 MG/L		-							.1 MG/L		U			
LEAD	.002 MG/L		U							.005 MG/L		U			

SAMPLE NUMBER:	004223			004223			003399			003399			003399		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MAGNESIUM	21.7 MG/L		-							23 MG/L		-			
MANGANESE	.0097 MG/L		-							.02 MG/L		U			
MERCURY	.0002 MG/L		U							.0003 MG/L		U			
MOLYBDENUM	.01 MG/L		U							.05 MG/L		U			
NICKEL	.02 MG/L		U							.04 MG/L		U			
POTASSIUM	2.18 MG/L		-							5 MG/L		U			
SELENIUM	.002 MG/L		UJ							.005 MG/L		U			
SILVER	.01 MG/L		UJ							.01 MG/L		U			
SODIUM	10 MG/L		-							12 MG/L		-			
THALLIUM	.002 MG/L		U												
VANADIUM	.01 MG/L		U												
ZINC	.0976 MG/L		-												
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.5 UG/L		U									
AROCLOR-1016				.5 UG/L		U									
AROCLOR-1221				.5 UG/L		U									
AROCLOR-1232				.5 UG/L		U									
AROCLOR-1242				.5 UG/L		U									
AROCLOR-1248				.5 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.5 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				1 UG/L		U									

SAMPLE NUMBER:	004223			004223			003399			003399			003399		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238				46.7 PCI/L	5.9	-	78.8 PCI/L	11	J						
URANIUM, TOTAL				332 UG/L	44	-	239 UG/L	38	-						
URANIUM-234				45.7 PCI/L	5.8	-	77.3 PCI/L	11	J						
THORIUM-230				1.49 PCI/L	.44	J	1 PCI/L		UJ						
RADIUM-226				1 PCI/L		UJ	1.5 PCI/L	.4	R						
URANIUM-235/236				3.12 PCI/L	.64	-	3.6 PCI/L	1	J						
THORIUM-232				1 PCI/L		U	1 PCI/L		UJ						
THORIUM, TOTAL				2.65 UG/L		U	10 UG/L		UJ						
RADIUM-228				3 PCI/L		U	3 PCI/L		U						
THORIUM-228				1 PCI/L		U	1 PCI/L		UJ						
NEPTUNIUM-237				1 PCI/L		U	1 PCI/L		UJ						
PLUTONIUM-239/240				1 PCI/L		U	1 PCI/L		UJ						
PLUTONIUM-238				1 PCI/L		U	1 PCI/L		UJ						
STRONTIUM-90				5 PCI/L		U	5 PCI/L		U						
TECHNETIUM-99				30 PCI/L		U	30 PCI/L		U						
RUTHENIUM-106				150 PCI/L		R	150 PCI/L		R						
CESIUM-137				20 PCI/L		R	20 PCI/L		R						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				50 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		U									
2,4-DINITROPHENOL				50 UG/L		U									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				50 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				20 UG/L		U									
3-NITROANILINE				50 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									

SAMPLE NUMBER:	004223			004223			003399			003399			003399		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				50 UG/L		U									
4-NITROPHENOL				50 UG/L		U									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		U									
BENZO(K)FLUORANTHENE				10 UG/L		U									
BENZOIC ACID				50 UG/L		U									
BENZYL ALCOHOL				10 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		U									
DI-N-OCTYL PHTHALATE				10 UG/L		U									
DIBENZO(A,H)ANTHRACENE				10 UG/L		U									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		U									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		U									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		U									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				50 UG/L		U									
PHENANTHRENE				10 UG/L		U									

SAMPLE NUMBER:	004223	004223	003399	003399	003399
LAB:	IT	IT	IT	IT	IT
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	F-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PHENOL				10 UG/L		U							.02 MG/L		J
PYRENE				10 UG/L		UJ									
VOLATILES															
1,1,1-TRICHLOROETHANE				6 UG/L		-									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,2-TRICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHENE				5 UG/L		U									
1,2-DICHLOROETHANE				5 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U									
1,2-DICHLOROPROPANE				5 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				5 UG/L		U									
BROMODICHLOROMETHANE				5 UG/L		U									
BROMOFORM				5 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				5 UG/L		U									
CARBON TETRACHLORIDE				5 UG/L		U									
CHLOROBENZENE				5 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				5 UG/L		U									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				5 UG/L		U									
DIBROMOCHLOROMETHANE				5 UG/L		U									
ETHYLBENZENE				5 UG/L		U									
METHYLENE CHLORIDE				5 UG/L		U									
STYRENE				5 UG/L		U									
TETRACHLOROETHENE				5 UG/L		U									
TOLUENE				5 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U									
TRICHLOROETHENE				5 UG/L		U									
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				5 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003399			EMGW_SYSGEN_608			EMGW_SYSGEN_608			EMGW_SYSGEN_607			EMGW_SYSGEN_607		
TASK:	3.2.4			GWMON			GWMON			GWMON			GWMON		
LAB:	IT			IT			NET			IT			NET		
WELL OR BORING NUMBER:	2060			2060			2060			2060			2060		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-AUG-88			13-JUN-90			13-JUN-90			15-MAR-90			15-MAR-90		
NORTH COORDINATE:	475865.6			475865.6			475865.6			475865.6			475865.6		
EAST COORDINATE:	1380010.6			1380010.6			1380010.6			1380010.6			1380010.6		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	U-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE							22 MG/L		NV						
NITRATE, AS NITROGEN							3.02 MG/L		NV						
SULFATE							53 MG/L		NV						
TOTAL ORGANIC CARBON							1 MG/L		UNV						
TOTAL ORGANIC HALOGENS							.012 MG/L		NV						
RADIONUCLIDES															
URANIUM-238	80.6 PCI/L	11	J	77.7 PCI/L		NV				76.1 PCI/L		NV			
URANIUM, TOTAL	225 UG/L	36	-	233 UG/L		NV				228 UG/L		NV			
URANIUM-234	84.2 PCI/L	11	J	76.8 PCI/L		NV				76.2 PCI/L		NV			
THORIUM-230	1 PCI/L		UJ	1 PCI/L		UNV									
RADIUM-226	1 PCI/L		R	1.8 PCI/L		NV									
URANIUM-235/236	5.1 PCI/L	1.1	J	4.04 PCI/L		NV				4.04 PCI/L		NV			
THORIUM-232	1 PCI/L		UJ	1 PCI/L		UNV									
THORIUM, TOTAL	6 UG/L		UJ	9.1 UG/L		UNV									
RADIUM-228	3 PCI/L		U	3 PCI/L		UNV									
THORIUM-228	1 PCI/L		UJ	1 PCI/L		UNV									
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		UJ												
PLUTONIUM-238	1 PCI/L		UJ												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA				203 PCI/L		NV									
GROSS BETA				83 PCI/L		NV									

SAMPLE NUMBER:	003399			EMGW_SYSGEN_608			EMGW_SYSGEN_608			EMGW_SYSGEN_607			EMGW_SYSGEN_607		
LAB:	IT			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	U-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE							11 UG/L		NV				3.6 UG/L		NV
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROPROPANE							1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE							10 UG/L		UNV				2 UG/L		UNV
2-HEXANONE							10 UG/L		UNV				2 UG/L		UNV
4-METHYL-2-PENTANONE							2 UG/L		UNV				1 UG/L		UNV
ACETONE							10 UG/L		UNV				2 UG/L		UNV
BENZENE							1 UG/L		UNV				1 UG/L		UNV
BROMODICHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
BROMOFORM							1 UG/L		UNV				1 UG/L		UNV
BROMOMETHANE							10 UG/L		UNV				1 UG/L		UNV
CARBON DISULFIDE							1 UG/L		UNV				1 UG/L		UNV
CARBON TETRACHLORIDE							1 UG/L		UNV				1 UG/L		UNV
CHLOROBENZENE							1 UG/L		UNV				1 UG/L		UNV
CHLOROFORM							1 UG/L		UNV				1 UG/L		UNV
CHLOROMETHANE							10 UG/L		UNV				1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
DIBROMOCHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
ETHYLBENZENE							1 UG/L		UNV				1 UG/L		UNV
METHYLENE CHLORIDE							5 UG/L		UNV				1 UG/L		UNV
STYRENE							1 UG/L		UNV				1 UG/L		UNV
TETRACHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
TOLUENE							1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
TRICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE							2 UG/L		UNV				1 UG/L		UNV
VINYL CHLORIDE							10 UG/L		UNV				1 UG/L		UNV
XYLENES, TOTAL							1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_609	003696	003696	EMGW_SYSGEN_610	EMGW_SYSGEN_610
TASK:	GWMON	3.2.4	3.2.4	GWMON	GWMON
LAB:	NET	IT	IT	IT	NET
WELL OR BORING NUMBER:	2060	2060	2060	2060	2060
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-SEP-90	25-OCT-88	25-OCT-88	26-NOV-90	26-NOV-90
NORTH COORDINATE:	475865.6	475865.6	475865.6	475865.6	475865.6
EAST COORDINATE:	1380010.6	1380010.6	1380010.6	1380010.6	1380010.6
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	215 MG/L		NV										202 MG/L		NV
AMMONIA							.1 MG/L		U				.02 MG/L		UNV
CHLORIDE	20 MG/L		NV				21 MG/L		-				20 MG/L		NV
FLUORIDE	.5 MG/L		NV				.54 MG/L		-				.41 MG/L		NV
NITRATE	2.04 MG/L		NV				7.42 MG/L		J				1.99 MG/L		NV
NITRATE, AS NITROGEN	2.04 MG/L		NV												
NITRATE/NITRITE													1.99 MG/L		NV
PH	7.4 SU		NV				.01 MG/L		U				7.58 SU		NV
PHENOLS	.027 MG/L		NV				.01 MG/L		U				.007 MG/L		NV
PHOSPHORUS							.02 MG/L		U				.16 MG/L		NV
SPECIFIC CONDUCTIVITY	567 UMHOS/CM		NV										424 UMHOS/CM		NV
SULFATE	62 MG/L		NV				36 MG/L		J				51 MG/L		NV
TOTAL DISSOLVED SOLIDS	355 MG/L		NV										446 MG/L		NV
TOTAL KJELDAHL NITROGEN							.148 MG/L		-						
TOTAL ORGANIC CARBON	1 MG/L		UNV										1 MG/L		NV
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV										.01 MG/L		UNV
TOTAL ORGANIC NITROGEN							.148 MG/L		-						
INORGANICS															
ARSENIC				.002 MG/L		U									
BARIUM				.039 MG/L		-									
CADMIUM				.002 MG/L		U									
CALCIUM				81.8 MG/L		-									
CHROMIUM				.02 MG/L		U									
COPPER				.01 MG/L		U									

SAMPLE NUMBER:	EMGW_SYSGEN_609			003696			003696			EMGW_SYSGEN_610			EMGW_SYSGEN_610		
LAB:	NET			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE													.005 MG/L		UNV
IRON				.011 MG/L		U									
LEAD				.002 MG/L		U									
MAGNESIUM				20.8 MG/L		-									
MANGANESE				.001 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.02 MG/L		U									
NICKEL				.02 MG/L		U									
POTASSIUM				2.27 MG/L		J									
SELENIUM				.002 MG/L		U									
SILVER				.01 MG/L		UJ									
SODIUM				10.6 MG/L		-									
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238							73.8 PCI/L	9.4	J	115 PCI/L		NV			
URANIUM, TOTAL							171 UG/L	28	-	133 UG/L		NV			
URANIUM-234							70.2 PCI/L	9	J	56.2 PCI/L		NV			
THORIUM-230							1 PCI/L		UJ	.3 PCI/L		UNV			
RADIUM-226							1 PCI/L		U	1 PCI/L		UNV			
URANIUM-235/236							2.7 PCI/L	.7	J	60.3 PCI/L		NV			
THORIUM-232							1 PCI/L		UJ	.3 PCI/L		UNV			
THORIUM, TOTAL							7 UG/L		UJ	2.7 UG/L		UNV			
RADIUM-228							3 PCI/L		U	3 PCI/L		UNV			
THORIUM-228							1 PCI/L		UJ	1.09 PCI/L		NV			
NEPTUNIUM-237							1 PCI/L		UJ						
PLUTONIUM-239/240							1 PCI/L		UJ						
PLUTONIUM-238							1 PCI/L		UJ						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
GROSS ALPHA										70.5 PCI/L		NV			
GROSS BETA										66.5 PCI/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV										10 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_609			003696			003696			EMGW_SYSGEN_610			EMGW_SYSGEN_610		
LAB:	NET			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE	8.7 UG/L		NV										7 UG/L		NV
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1,2-TRICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1-DICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1-DICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROPROPANE	1 UG/L		UNV										1 UG/L		UNV
2-BUTANONE	2 UG/L		UNV										2 UG/L		UNV
2-HEXANONE	2 UG/L		UNV										2 UG/L		UNV
4-METHYL-2-PENTANONE	2 UG/L		UNV										2 UG/L		UNV
ACETONE	2 UG/L		UNV										2 UG/L		UNV
BENZENE	1 UG/L		UNV										1 UG/L		UNV
BROMODICHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
BROMOFORM	1 UG/L		UNV										1 UG/L		UNV
BROMOMETHANE	1 UG/L		UNV										1 UG/L		UNV
CARBON DISULFIDE	1 UG/L		UNV										1 UG/L		UNV
CARBON TETRACHLORIDE	1 UG/L		UNV										1 UG/L		UNV
CHLOROBENZENE	1 UG/L		UNV										1 UG/L		UNV
CHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
CHLOROFORM	1 UG/L		UNV										1 UG/L		UNV
CHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV										1 UG/L		UNV
DIBROMOCHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
ETHYLBENZENE	1 UG/L		UNV										1 UG/L		UNV
METHYLENE CHLORIDE	1 UG/L		UNV										1 UG/L		UNV
STYRENE	1 UG/L		UNV										1 UG/L		UNV
TETRACHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
TOLUENE	1 UG/L		UNV										1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV										1 UG/L		UNV
TRICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
VINYL ACETATE	2 UG/L		UNV										2 UG/L		UNV
VINYL CHLORIDE	1 UG/L		UNV										1 UG/L		UNV
XYLENES, TOTAL	1 UG/L		UNV										1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003000	003000	003000	003145	003145
TASK:	9.8	9.8	9.8	3.2.4	3.2.4
LAB:	UNKNOWN	WMCO	WMCO	IT	IT
WELL OR BORING NUMBER:	2060	2060	2060	2061	2061
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-NOV-87	30-NOV-87	30-NOV-87	04-MAY-88	04-MAY-88
NORTH COORDINATE:	475865.6	475865.6	475865.6	474775.5	474775.5
EAST COORDINATE:	1380010.6	1380010.6	1380010.6	1379665.9	1379665.9
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													.5 MG/L		R
CHEMICAL OXYGEN DEMAND							20 MG/L		NV						
CHLORIDE	22 MG/L		NV										48.4 MG/L		NV
FLUORIDE	.22 MG/L		NV										.43 MG/L		NV
HEXAVALENT CHROMIUM							.005 MG/L		UNV						
NITRATE							2.04 MG/L		NV				.3 MG/L		NV
PH	7.49 SU		NV				.005 MG/L		UNV				.01 MG/L		UNV
PHENOLS							.005 MG/L		UNV				.01 MG/L		UNV
PHOSPHORUS							.02 MG/L		UNV				.051 MG/L		NV
SPECIFIC CONDUCTIVITY	580 UMHOS/CM		NV												
SULFATE							60 MG/L		NV				40 MG/L		NV
TOTAL DISSOLVED SOLIDS				444 MG/L		NV									
TOTAL KJELDAHL NITROGEN													.5 MG/L		R
TOTAL ORGANIC CARBON							1 MG/L		UNV						
TOTAL ORGANIC HALIDES							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.5 MG/L		R
HERBICIDES															
2,4,5-TP (SILVEX)							500 UG/L		UNV						
2,4-D							1000 UG/L		UNV						
INORGANICS															
ARSENIC							.0025 MG/L		UNV	.2 MG/L		U			
BARIUM							.2 MG/L		UNV	.05 MG/L		U			
CADMIUM							.001 MG/L		UNV	.005 MG/L		U			

SAMPLE NUMBER:	003000			003000			003000			003145			003145		
LAB:	UNKNOWN			WMCO			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM							93.3 MG/L		NV	80.9 MG/L		-			
CHROMIUM							.005 MG/L		UNV	.02 MG/L		U			
COPPER							.025 MG/L		UNV	.01 MG/L		U			
CYANIDE							.005 MG/L		UNV						
IRON							.05 MG/L		UNV	.05 MG/L		U			
LEAD							.005 MG/L		UNV	.05 MG/L		U			
MAGNESIUM							21.7 MG/L		NV	21.1 MG/L		-			
MANGANESE							.015 MG/L		UNV	.02 MG/L		U			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL							.005 MG/L		UNV	.02 MG/L		U			
POTASSIUM							3.19 MG/L		NV	2.98 MG/L		-			
SELENIUM							.0025 MG/L		UNV	.2 MG/L		U			
SILVER							.03 MG/L		UNV	.01 MG/L		U			
SODIUM							14.3 MG/L		NV	12.9 MG/L		-			
ZINC							.359 MG/L		NV						
MISC															
ALACHLOR	2000 UG/L		UNV				2000 UG/L		UNV						
ATRAZINE							1000 UG/L		UNV						
CARBOFURAN	1000000 NG/L		UNV				1000000 NG/L		UNV						
CYANAZINE							1000 UG/L		UNV						
FONOFOS	1000 UG/L		UNV				1000 UG/L		UNV						
LINURON							1000 UG/L		UNV						
METOLACHLOR							1000 UG/L		UNV						
METRIBUZIN							1000 UG/L		UNV						
SIMIZINE	1000 UG/L		UNV												
TERBUFOS	1000 UG/L		UNV												
ORGANOPHOSPHORUS PESTICIDES															
PHOSPHORODITHIOIC ACID, O,O-DIETHYL-S-(((1,1-DIMETHYL							1000 UG/L		UNV						
PESTICIDES															
ENDRIN							200 UG/L		UNV						
GAMMA-BHC (LINDANE)	200 UG/L		UNV				200 UG/L		UNV						
METHOXYCHLOR							200 UG/L		UNV						
TOXAPHENE							500 UG/L		UNV						

SAMPLE NUMBER:	003000			003000			003000			003145			003145		
LAB:	UNKNOWN			WMCO			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238													76 PCI/L	13	J
URANIUM, TOTAL													247 UG/L	39	J
URANIUM-234													77.6 PCI/L	13	J
THORIUM-230													1 PCI/L		UJ
RADIUM-226													1 PCI/L		U
URANIUM-235/236													2.9 PCI/L	1.1	J
THORIUM-232													1 PCI/L		UJ
RADIUM-228													3 PCI/L		U
THORIUM-228													1 PCI/L		UJ
NEPTUNIUM-237													1 PCI/L		UJ
PLUTONIUM-239/240													1 PCI/L		UJ
PLUTONIUM-238													1 PCI/L		UJ
STRONTIUM-90													5 PCI/L		UJ
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
GROSS ALPHA	59 PCI/L		NV												
GROSS BETA							104 PCI/L		NV						
RADIUM, TOTAL	1 PCI/L		NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_612	EMGW_SYSGEN_612	003890	003890	EMGW_SYSGEN_614
TASK:	GWMON	GWMON	3.2.4	3.2.4	GWMON
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	2061	2061	2061	2061	2061
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-SEP-90	05-SEP-90	07-FEB-89	07-FEB-89	07-MAR-91
NORTH COORDINATE:	474775.5	474775.5	474775.5	474775.5	474775.5
EAST COORDINATE:	1379665.9	1379665.9	1379665.9	1379665.9	1379665.9
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				243 MG/L		NV									
AMMONIA										.207 MG/L		-			
CHLORIDE				29 MG/L		NV				19.5 MG/L		-			
FLUORIDE				.42 MG/L		NV				.33 MG/L		J			
NITRATE				4.31 MG/L		NV				.39 MG/L		J			
NITRATE, AS NITROGEN				4.31 MG/L		NV									
PH				7.37 SU		NV				.01 MG/L		R			
PHENOLS				.005 MG/L		UNV				.01 MG/L		R			
PHOSPHORUS										.02 MG/L		-			
SPECIFIC CONDUCTIVITY				671 UMHOS/CM		NV									
SULFATE				61 MG/L		NV				61.8 MG/L		J			
TOTAL DISSOLVED SOLIDS				465 MG/L		NV									
TOTAL KJELDAHL NITROGEN										.139 MG/L		J			
TOTAL ORGANIC CARBON				2 MG/L		NV									
TOTAL ORGANIC HALIDES										.05 MG/L		U			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										.1 MG/L		UJ			
INORGANICS															
ARSENIC							.002 MG/L		U						
BARIUM							.044 MG/L		-						
CADMIUM							.006 MG/L		-						
CALCIUM							87 MG/L		-						
CHROMIUM							.026 MG/L		-						
COPPER							.027 MG/L		-						
IRON							.18 MG/L		-						

SAMPLE NUMBER:	EMGW_SYSGEN_612			EMGW_SYSGEN_612			003890			003890			EMGW_SYSGEN_614		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD							.004 MG/L		-						
MAGNESIUM							22.6 MG/L		-						
MANGANESE							.016 MG/L		-						
MERCURY							.0002 MG/L		UJ						
MOLYBDENUM							.02 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							2.77 MG/L		-						
SELENIUM							.002 MG/L		J						
SILVER							.0005 MG/L		U						
SODIUM							10.6 MG/L		-						
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	100 PCI/L		NV							92.7 PCI/L	12.1	-	96.8 PCI/L		NV
URANIUM, TOTAL	302 UG/L		NV							292 UG/L	47	J	231 UG/L		NV
URANIUM-234	106 PCI/L		NV							89.1 PCI/L	11.7	-	91.6 PCI/L		NV
THORIUM-230	.268 PCI/L		NV							1 PCI/L		U	.278 PCI/L		NV
RADIUM-226	1 PCI/L		UNV							1 PCI/L		U	1 PCI/L		UNV
URANIUM-235/236	8 PCI/L		NV							4.1 PCI/L	.9	-	3.53 PCI/L		NV
THORIUM-232	.2 PCI/L		UNV							1 PCI/L		U	.2 PCI/L		UNV
THORIUM, TOTAL	1.8 UG/L		UNV							3 UG/L		U	1.8 UG/L		UNV
RADIUM-228	3 PCI/L		UNV							3 PCI/L		UJ	3 PCI/L		UNV
THORIUM-228	.2 PCI/L		UNV							1 PCI/L		U	.424 PCI/L		NV
NEPTUNIUM-237										1 PCI/L		U	.5 PCI/L		UNV
PLUTONIUM-239/240										1 PCI/L		U	.5 PCI/L		UNV
PLUTONIUM-238										1 PCI/L		U	.5 PCI/L		UNV
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U	20 PCI/L		UNV
RUTHENIUM-106										150 PCI/L		R	150 PCI/L		UNV
CESIUM-137										20 PCI/L		R	6 PCI/L		UNV
GROSS ALPHA	130 PCI/L		NV										271 PCI/L		NV
GROSS BETA	113 PCI/L		NV										117 PCI/L		NV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				60 UG/L		UNV									

VOLATILES

1,1,1-TRICHLOROETHANE 1 UG/L UNV
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_612	EMGW_SYSGEN_612	003890	003890	EMGW_SYSGEN_614
LAB:	IT	NET	IT	IT	IT
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

001342100

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_614	EMGW_SYSGEN_614D	EMGW_SYSGEN_614D	004224	004224
TASK:	GWMON	GWMON	GWMON	3.2.4	3.2.4
LAB:	NET	IT	NET	IT	IT
WELL OR BORING NUMBER:	2061	2061	2061	2061	2061
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-MAR-91	07-MAR-91	07-MAR-91	12-APR-90	12-APR-90
NORTH COORDINATE:	474775.5	474775.5	474775.5	474775.5	474775.5
EAST COORDINATE:	1379665.9	1379665.9	1379665.9	1379665.9	1379665.9
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	NORMAL	NORMAL
QC OF:		EMGW_SYSGEN_614	EMGW_SYSGEN_614		
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	242 MG/L		NV				249 MG/L		NV						
AMMONIA	.02 MG/L		NV				.02 MG/L		UNV				.1 MG/L		U
CHLORIDE	28 MG/L		NV				28 MG/L		NV				17.88 MG/L		-
FLUORIDE	.27 MG/L		NV				.26 MG/L		NV				.28 MG/L		-
NITRATE	5.1 MG/L		NV				4.82 MG/L		NV				.74 MG/L		J
NITRATE, AS NITROGEN	5.1 MG/L		NV				4.82 MG/L		NV						
PH	7.44 SU		NV				7.41 SU		NV				.01 MG/L		-
PHENOLS	.005 MG/L		UNV				.009 MG/L		NV				.01 MG/L		-
PHOSPHORUS	.1 MG/L		UNV				.1 MG/L		UNV				.02 MG/L		UJ
SPECIFIC CONDUCTIVITY	652 UMHOS/CM		NV				640 UMHOS/CM		NV						
SULFATE	66 MG/L		NV				68 MG/L		NV				70.6 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL DISSOLVED SOLIDS	384 MG/L		NV				416 MG/L		NV						
TOTAL ORGANIC CARBON	6 MG/L		NV				4 MG/L		NV						
TOTAL ORGANIC HALIDES													.01 MG/L		UJ
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.1 MG/L		U
INORGANICS															
ALUMINUM	.5 MG/L		UNV				.5 MG/L		UNV	.114 MG/L		-			
ANTIMONY	.025 MG/L		UNV				.025 MG/L		UNV						
ARSENIC	.0025 MG/L		UNV				.0025 MG/L		UNV	.002 MG/L		U			
BARIUM	.2 MG/L		UNV				.2 MG/L		UNV	.049 MG/L		-			
BERYLLIUM	.01 MG/L		UNV				.01 MG/L		UNV						
CADMIUM	.001 MG/L		UNV				.001 MG/L		UNV	.003 MG/L		-			
CALCIUM	73.8 MG/L		NV				73.7 MG/L		NV	91.8 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_614			EMGW_SYSGEN_614D			EMGW_SYSGEN_614D			004224			004224		
LAB:	NET			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM	.005 MG/L		UNV				.005 MG/L		UNV	.036 MG/L		-			
COBALT	.025 MG/L		UNV				.025 MG/L		UNV						
COPPER	.055 MG/L		NV				.05 MG/L		NV	.02 MG/L		-			
CYANIDE	.005 MG/L		UNV				.005 MG/L		UNV						
IRON	.055 MG/L		NV				.057 MG/L		NV	.065 MG/L		-			
LEAD	.005 MG/L		UNV				.005 MG/L		UNV	.002 MG/L		-			
MAGNESIUM	24.7 MG/L		NV				24.3 MG/L		NV	23.9 MG/L		-			
MANGANESE	.02 MG/L		UNV				.02 MG/L		UNV	.019 MG/L		-			
MERCURY	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		U			
MOLYBDENUM	.025 MG/L		UNV				.025 MG/L		UNV	.01 MG/L		U			
NICKEL	.005 MG/L		UNV				.005 MG/L		UNV	.02 MG/L		U			
POTASSIUM	3.61 MG/L		NV				3.81 MG/L		NV	3.23 MG/L		-			
SELENIUM	.0025 MG/L		UNV				.0025 MG/L		UNV	.002 MG/L		UJ			
SILICON										4.26 MG/L		-			
SILVER	.001 MG/L		UNV				.001 MG/L		UNV	.011 MG/L		-			
SODIUM	14.4 MG/L		NV				14.4 MG/L		NV	13.7 MG/L		-			
THALLIUM	.01 MG/L		UNV				.01 MG/L		UNV						
VANADIUM	.05 MG/L		UNV				.05 MG/L		UNV	.017 MG/L		-			
ZINC	.027 MG/L		NV				.036 MG/L		NV						
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238				93.2 PCI/L		NV							104 PCI/L	15	-
URANIUM, TOTAL				235 UG/L		NV							312 UG/L	45	-
URANIUM-234				93.9 PCI/L		NV							104 PCI/L	15	-
THORIUM-230				.2 PCI/L		UNV							1 PCI/L		U
RADIUM-226				1 PCI/L		UNV							1 PCI/L		R
URANIUM-235/236				3.82 PCI/L		NV							5.54 PCI/L	1.28	-
THORIUM-232				.2 PCI/L		UNV							1 PCI/L		U
THORIUM, TOTAL				1.5 UG/L		UNV							2.5 UG/L		U
RADIUM-228				3 PCI/L		UNV							3 PCI/L		R
THORIUM-228				.597 PCI/L		NV							1 PCI/L		U
NEPTUNIUM-237				.5 PCI/L		UNV							1 PCI/L		U
PLUTONIUM-239/240				.5 PCI/L		UNV							1 PCI/L		U
PLUTONIUM-238				.5 PCI/L		UNV							1 PCI/L		U
STRONTIUM-90													5 PCI/L		UJ
TECHNETIUM-99				20 PCI/L		UNV							30 PCI/L		R
RUTHENIUM-106				150 PCI/L		UNV							150 PCI/L		

001834

9417

SAMPLE NUMBER:	EMGW_SYSGEN_614			EMGW_SYSGEN_614D			EMGW_SYSGEN_614D			004224			004224		
LAB:	NET			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137				5.2 PCI/L		UNV							20 PCI/L		R
GROSS ALPHA				196 PCI/L		NV									
GROSS BETA				110 PCI/L		NV									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV				10 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV						
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV						
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV						
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV						
ACETONE	2 UG/L		UNV				24.8 UG/L		NV						
BENZENE	1 UG/L		UNV				1 UG/L		UNV						
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV						
BROMOMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV						
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV						
CHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV						
METHYLENE CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
STYRENE	1 UG/L		UNV				1 UG/L		UNV						
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TOLUENE	1 UG/L		UNV				1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
VINYL ACETATE	2 UG/L		UNV				2 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_614			EMGW_SYSGEN_614D			EMGW_SYSGEN_614D			004224			004224		
LAB:	NET			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003499	003499	EMGW_SYSGEN_611	EMGW_SYSGEN_611	EMGW_SYSGEN_611
TASK:	3.2.4	3.2.4	GWMON	GWMON	GWMON
LAB:	IT	IT	IT	NET	NET
WELL OR BORING NUMBER:	2061	2061	2061	2061	2061
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-AUG-88	16-AUG-88	19-JUN-90	19-JUN-90	19-JUN-90
NORTH COORDINATE:	474775.5	474775.5	474775.5	474775.5	474775.5
EAST COORDINATE:	1379665.9	1379665.9	1379665.9	1379665.9	1379665.9
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U									
CHLORIDE				23 MG/L		J							33 MG/L		NV
FLUORIDE				.45 MG/L		-									
NITRATE				.67 MG/L		R							2.48 MG/L		NV
NITRATE, AS NITROGEN													2.48 MG/L		NV
PHENOLS				.03 MG/L		J									
PHOSPHORUS				.05 MG/L		UJ									
SULFATE				6 MG/L		J							57 MG/L		NV
TOTAL ORGANIC CARBON													1 MG/L		UNV
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN				.1 MG/L		U									
INORGANICS															
ARSENIC	.31 MG/L		-							.0025 MG/L		UNV	.0025 MG/L		UNV
BARIUM	.037 MG/L		-							.2 MG/L		UNV	.2 MG/L		UNV
CADMIUM	.002 MG/L		U							.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	76.8 MG/L		-							95.9 MG/L		NV	104 MG/L		NV
CHROMIUM	.02 MG/L		U										.005 MG/L		UNV
COPPER	.048 MG/L		-							.039 MG/L		NV	.055 MG/L		NV
IRON	.005 MG/L		U							.05 MG/L		UNV	.104 MG/L		NV
LEAD	.05 MG/L		U							.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM	19.46 MG/L		-							24.1 MG/L		NV	26.8 MG/L		NV
MANGANESE	.004 MG/L		-							.02 MG/L		UNV	.02 MG/L		UNV
MERCURY	.0002 MG/L		UJ												
MOLYBDENUM	.025 MG/L		-												

SAMPLE NUMBER:	003499			003499			EMGW_SYSGEN_611			EMGW_SYSGEN_611			EMGW_SYSGEN_611		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.02 MG/L		U							.005 MG/L		UNV	.005 MG/L		UNV
POTASSIUM	3.5 MG/L		-							3.5 MG/L		NV	3.78 MG/L		NV
SELENIUM	.2 MG/L		U							.0025 MG/L		UNV	.003 MG/L		NV
SILVER	.01 MG/L		U							.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	10.03 MG/L		J							21 MG/L		NV	21.1 MG/L		NV
ZINC										.036 MG/L		NV	.02 MG/L		NV
RADIONUCLIDES															
URANIUM-238				93.4 PCI/L	12	R	102 PCI/L		NV						
URANIUM, TOTAL				260 UG/L	42	-	306 UG/L		NV						
URANIUM-234				94 PCI/L	12	R	103 PCI/L		NV						
THORIUM-230				1 PCI/L		U	10.2 PCI/L		NV						
RADIUM-226				1 PCI/L		UJ	1 PCI/L		UNV						
URANIUM-235/236				4.6 PCI/L	1	R	5.52 PCI/L		NV						
THORIUM-232				1 PCI/L		U	.37 PCI/L		UNV						
THORIUM, TOTAL				2 UG/L		U	3.4 UG/L		UNV						
RADIUM-228				3 PCI/L		U	3 PCI/L		UNV						
THORIUM-228				1 PCI/L		U	1.65 PCI/L		NV						
NEPTUNIUM-237				1 PCI/L		U	.5 PCI/L		UNV						
PLUTONIUM-239/240				1 PCI/L		UJ	.5 PCI/L		UNV						
PLUTONIUM-238				1 PCI/L		UJ	.5 PCI/L		UNV						
STRONTIUM-90				5 PCI/L		U	1 PCI/L		UNV						
TECHNETIUM-99				30 PCI/L		UJ	24 PCI/L		UNV						
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA							189 PCI/L		NV						
GROSS BETA							53.7 PCI/L		NV						
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV

SAMPLE NUMBER:	003499			003499			EMGW_SYSGEN_611			EMGW_SYSGEN_611			EMGW_SYSGEN_611		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_611	EMGW_SYSGEN_611D	EMGW_SYSGEN_611D	EMGW_SYSGEN_611D	GW930921-21
TASK:	GWMON	GWMON	GWMON	GWMON	DMEPP
LAB:	WMCO	IT	NET	NET	FERMCO
WELL OR BORING NUMBER:	2061	2061	2061	2061	2061
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-JUN-90	19-JUN-90	19-JUN-90	19-JUN-90	21-SEP-93
NORTH COORDINATE:	474775.5	474775.5	474775.5	474775.5	474775.5
EAST COORDINATE:	1379665.9	1379665.9	1379665.9	1379665.9	1379665.9
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL
QC OF:		EMGW_SYSGEN_611	EMGW_SYSGEN_611	EMGW_SYSGEN_611	
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE										28 MG/L		NV			
NITRATE, AS NITROGEN										2.91 MG/L		NV			
SULFATE										62 MG/L		NV			
TOTAL ORGANIC CARBON										1 MG/L		UNV			
TOTAL ORGANIC HALOGENS										.015 MG/L		NV			
INORGANICS															
ARSENIC							.0025 MG/L		UNV	.0025 MG/L		UNV			
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM							94.9 MG/L		NV	104 MG/L		NV			
CHROMIUM										.005 MG/L		UNV			
COPPER							.033 MG/L		NV	.047 MG/L		NV			
IRON							.05 MG/L		UNV	.123 MG/L		NV			
LEAD							.005 MG/L		UNV	.036 MG/L		NV			
MAGNESIUM							23.3 MG/L		NV	27.2 MG/L		NV			
MANGANESE							.02 MG/L		UNV	.02 MG/L		UNV			
NICKEL							.005 MG/L		UNV	.005 MG/L		UNV			
POTASSIUM							3.57 MG/L		NV	3.77 MG/L		NV			
SELENIUM							.003 MG/L		NV	.003 MG/L		NV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							20.9 MG/L		NV	23.4 MG/L		NV			
ZINC							.021 MG/L		NV	.02 MG/L		UNV			
RADIONUCLIDES															

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SAMPLE NUMBER:	EMGW_SYSGEN_611			EMGW_SYSGEN_611D			EMGW_SYSGEN_611D			EMGW_SYSGEN_611D			GW930921-21		
LAB:	WMCO			IT			NET			NET			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	268 UG/L		NV	278 UG/L		NV							290 UG/L		NV
URANIUM-234	67 PCI/L		NV	94.8 PCI/L		NV									
THORIUM-230				12.3 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				4.65 PCI/L		NV									
THORIUM-232				.33 PCI/L		UNV									
THORIUM, TOTAL				3 UG/L		UNV									
RADIUM-228				7.18 PCI/L		NV									
THORIUM-228				1.43 PCI/L		NV									
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
STRONTIUM-90				1 PCI/L		UNV									
TECHNETIUM-99				24 PCI/L		UNV									
GROSS ALPHA				150 PCI/L		NV									
GROSS BETA				46.2 PCI/L		NV									
URANIUM-235	4 PCI/L		NV	4.65 PCI/L		NV									
URANIUM-236	1 PCI/L		NV												
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_611			EMGW_SYSGEN_611D			EMGW_SYSGEN_611D			EMGW_SYSGEN_611D			GW930921-21		
LAB:	WMCO			IT			NET			NET			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003745	003745	EMGW_SYSGEN_613	EMGW_SYSGEN_613	003003
TASK:	3.2.4	3.2.4	GWMON	GWMON	9.8
LAB:	IT	IT	IT	NET	WMCO
WELL OR BORING NUMBER:	2061	2061	2061	2061	2061
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-OCT-88	25-OCT-88	26-NOV-90	26-NOV-90	30-NOV-87
NORTH COORDINATE:	474775.5	474775.5	474775.5	474775.5	474775.5
EAST COORDINATE:	1379665.9	1379665.9	1379665.9	1379665.9	1379665.9
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										243 MG/L		NV			
AMMONIA				.1 MG/L		U				.15 MG/L		NV			
CHLORIDE				25 MG/L		-				25 MG/L		NV			
FLUORIDE				.36 MG/L		-				.32 MG/L		NV			
NITRATE				9.84 MG/L		J				3.54 MG/L		NV			
NITRATE/NITRITE										3.54 MG/L		NV			
PH				.01 MG/L		U				7.39 SU		NV			
PHENOLS				.01 MG/L		U				.005 MG/L		UNV			
PHOSPHORUS				.02 MG/L		U				.09 MG/L		NV			
SPECIFIC CONDUCTIVITY										436 UMHOS/CM		NV			
SULFATE				25 MG/L		J				57 MG/L		NV			
TOTAL DISSOLVED SOLIDS										514 MG/L		NV	384 MG/L		NV
TOTAL KJELDAHL NITROGEN				.148 MG/L		-									
TOTAL ORGANIC CARBON										3 MG/L		NV			
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN				.148 MG/L		-									
INORGANICS															
ARSENIC	.002 MG/L		U												
BARIUM	.038 MG/L		-												
CADMIUM	.002 MG/L		U												
CALCIUM	75.8 MG/L		-												
CHROMIUM	.02 MG/L		U												
COPPER	.019 MG/L		-												
CYANIDE										.005 MG/L		UNV			

SAMPLE NUMBER:	003745			003745			EMGW_SYSGEN_613			EMGW_SYSGEN_613			003003		
LAB:	IT			IT			IT			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	.005 MG/L		U												
LEAD	.003 MG/L		-												
MAGNESIUM	19.3 MG/L		-												
MANGANESE	.007 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.02 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	2.27 MG/L		J												
SELENIUM	.002 MG/L		U												
SILVER	.01 MG/L		UJ												
SODIUM	10.5 MG/L		-												
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				87.7 PCI/L	11	J	96.8 PCI/L		NV						
URANIUM, TOTAL				260 UG/L	42	-	303 UG/L		NV						
URANIUM-234				88.1 PCI/L	11	J	94.3 PCI/L		NV						
THORIUM-230				1 PCI/L		UJ	.85 PCI/L		UNV						
RADIUM-226				1 PCI/L		U	1 PCI/L		UNV						
URANIUM-235/236				4.3 PCI/L	.9	J	6.32 PCI/L		NV						
THORIUM-232				1 PCI/L		UJ	.85 PCI/L		UNV						
THORIUM, TOTAL				3 UG/L		UJ	7.7 UG/L		UNV						
RADIUM-228				3 PCI/L		U	3 PCI/L		UNV						
THORIUM-228				1 PCI/L		UJ	3.95 PCI/L		NV						
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		UJ									
PLUTONIUM-238				1 PCI/L		UJ									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA							111 PCI/L		NV						
GROSS BETA							118 PCI/L		NV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			

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SAMPLE NUMBER:	003745	003745	EMGW_SYSGEN_613	EMGW_SYSGEN_613	003003
LAB:	IT	IT	IT	NET	WMCO
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003003	003652	003652	GW930405-2	GW930405-2
TASK:	9.8	3.2.4	3.2.4	50.03.23	50.03.23
LAB:	WMCO	IT	IT	CORE	CORE
WELL OR BORING NUMBER:	2061	2064	2064	2064	2064
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-NOV-87	02-NOV-88	02-NOV-88	05-APR-93	05-APR-93
NORTH COORDINATE:	474775.5	480720.1	480720.1	480720.1	480720.1
EAST COORDINATE:	1379665.9	1382183.97	1382183.97	1382183.97	1382183.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U						
CHEMICAL OXYGEN DEMAND	10 MG/L		UNV												
CHLORIDE	19 MG/L		NV				21.6 MG/L		-						
FLUORIDE	.17 MG/L		NV				.5 MG/L		U						
HEXAVALENT CHROMIUM	.005 MG/L		UNV												
NITRATE	2.21 MG/L		NV				.1 MG/L		R						
PHENOLS	.005 MG/L		UNV				.02 MG/L		-						
PHOSPHORUS	.02 MG/L		UNV				.022 MG/L		-						
SULFATE	52 MG/L		NV				153 MG/L		J						
TOTAL KJELDAHL NITROGEN							.17 MG/L		-						
TOTAL ORGANIC CARBON	1 MG/L		UNV												
TOTAL ORGANIC HALIDES	.01 MG/L		UNV				.05 MG/L		U						
TOTAL ORGANIC NITROGEN							.17 MG/L		J						
HERBICIDES															
2,4,5-TP (SILVEX)	500 UG/L		UNV												
2,4-D	1000 UG/L		UNV												
INORGANICS															
ARSENIC	.0025 MG/L		UNV	.002 MG/L		U									
BARIUM	.2 MG/L		UNV	.08 MG/L		-									
CADMIUM	.001 MG/L		UNV	.002 MG/L		U									
CALCIUM	89.2 MG/L		NV	142 MG/L		-									
CHROMIUM	.005 MG/L		UNV	.02 MG/L		U									
COPPER	.025 MG/L		UNV	.01 MG/L		U									

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SAMPLE NUMBER:	003003			003652			003652			GW930405-2			GW930405-2		
LAB:	WMCO			IT			IT			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE	.005 MG/L		UNV												
IRON	.05 MG/L		UNV	3.4 MG/L		-									
LEAD	.005 MG/L		UNV	.003 MG/L		U									
MAGNESIUM	20.9 MG/L		NV	35 MG/L		-									
MANGANESE	.015 MG/L		UNV	.2 MG/L		-									
MERCURY	.0002 MG/L		UNV	.0002 MG/L		U									
MOLYBDENUM				.02 MG/L		U									
NICKEL	.006 MG/L		NV	.02 MG/L		U									
POTASSIUM	3.16 MG/L		NV	2.02 MG/L		-									
SELENIUM	.0025 MG/L		UNV	.002 MG/L		R									
SILVER	.03 MG/L		UNV	.01 MG/L		U									
SODIUM	10.1 MG/L		NV	11.8 MG/L		-									
ZINC	.095 MG/L		NV												
MISC															
ALACHLOR	2000 UG/L		UNV												
ATRAZINE	1000 UG/L		UNV												
CARBOFURAN	1000000 NG/L		UNV												
CYANAZINE	1000 UG/L		UNV												
FONOFOS	1000 UG/L		UNV												
LINURON	1000 UG/L		UNV												
METOLACHLOR	1000 UG/L		UNV												
METRIBUZIN	1000 UG/L		UNV												
ORGANOPHOSPHORUS PESTICIDES															
PHOSPHORODITHIOIC ACID, O,O-DIETHYL-S-(((1,1-DIMETHYL	1000 UG/L		UNV												
PESTICIDES															
ENDRIN	200 UG/L		UNV												
GAMMA-BHC (LINDANE)	200 UG/L		UNV												
METHOXYCHLOR	200 UG/L		UNV												
TOXAPHENE	500 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		UJ	2.7 PCI/L	.7	J	3 PCI/L	.7	J
URANIUM, TOTAL							1 UG/L		U	8.9 UG/L	.6	-	9.7 UG/L	.7	-

SAMPLE NUMBER:	003003			003652			003652			GW930405-2			GW930405-2		
LAB:	WMCO			IT			IT			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-234							1 PCI/L		UJ	3.2 PCI/L	.7	J	2.9 PCI/L	.7	J
THORIUM-230							1 PCI/L		UJ	.3 PCI/L	.3	J	.3 PCI/L	.1	UJ
RADIUM-226							1 PCI/L		U	1 PCI/L	.1	U	1 PCI/L	.3	UJ
URANIUM-235/236							1 PCI/L		UJ	.2 PCI/L	.5	UJ	.2 PCI/L	.3	UJ
THORIUM-232							1 PCI/L		UJ	.2 PCI/L	.3	UJ	.3 PCI/L	.1	UJ
THORIUM, TOTAL							7 UG/L		U						
RADIUM-228							3 PCI/L		UJ	3 PCI/L	.9	U	3 PCI/L	1.3	U
THORIUM-228							1 PCI/L		UJ	.2 PCI/L	.6	UJ	.3 PCI/L	.1	UJ
NEPTUNIUM-237							1 PCI/L		UJ						
PLUTONIUM-239/240							1 PCI/L		UJ						
PLUTONIUM-238							1 PCI/L		UJ						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
GROSS ALPHA										6.6 PCI/L	3.5	NV	13 PCI/L	4.1	NV
GROSS BETA										8.7 PCI/L	3.5	NV	7.4 PCI/L	4	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930405-2	GW930405-2	GW930405-2	GW930405-2	EMGW_SYSGEN_615
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	GWMON
LAB:	FERMCO	FERMCO	LOCKHEED	LOCKHEED	NET
WELL OR BORING NUMBER:	2064	2064	2064	2064	2064
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-APR-93	05-APR-93	05-APR-93	05-APR-93	06-MAR-90
NORTH COORDINATE:	480720.1	480720.1	480720.1	480720.1	480720.1
EAST COORDINATE:	1382183.97	1382183.97	1382183.97	1382183.97	1382183.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										310 MG/L		-			
AMMONIA										.05 MG/L		U			
BICARBONATE ALKALINITY										310 MG/L		-			
CARBONATE ALKALINITY										30 MG/L		U			
CHLORIDE										21 MG/L		-			
FLUORIDE										.15 MG/L		U			
NITRATE/NITRITE										.11 MG/L		-			
PH										7.3 SU		-			
PHENOLS										.15 MG/L		U			
PHOSPHORUS										.03 MG/L		U			
SPECIFIC CONDUCTIVITY										1300 UMHOS/CM		-			
SULFATE										550 MG/L		-			
TOTAL DISSOLVED SOLIDS							1200 MG/L		-						
TOTAL ORGANIC CARBON										1.4 MG/L		-			
TOTAL ORGANIC HALIDES										.045 MG/L		U			
TOTAL ORGANIC NITROGEN										0 MG/L		U			
TOTAL SOLIDS										1200 MG/L		-			
INORGANICS															
ALUMINUM							.036 MG/L		U	.036 MG/L		U			
ANTIMONY							.031 MG/L		U	.031 MG/L		UJ			
ARSENIC							.002 MG/L		U	.0049 MG/L		-			
BARIUM							.029 MG/L		U	.0312 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.002 MG/L		U	.002 MG/L		U			
CALCIUM							329 MG/L		J	309 MG/L		-			

SAMPLE NUMBER:	GW930405-2			GW930405-2			GW930405-2			GW930405-2			EMGW_SYSGEN_615		
LAB:	FERMCO			FERMCO			LOCKHEED			LOCKHEED			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM							.003 MG/L		U	.003 MG/L		U			
COBALT							.008 MG/L		U	.008 MG/L		U			
COPPER							.004 MG/L		U	.004 MG/L		U			
CYANIDE							.02 MG/L		U	.02 MG/L		U			
IRON							.254 MG/L		-	4.15 MG/L		-			
LEAD							.001 MG/L		U	.001 MG/L		U	.005 MG/L		UNV
MAGNESIUM							38.8 MG/L		-	38.6 MG/L		-			
MANGANESE							.371 MG/L		-	2.66 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
MOLYBDENUM							.015 MG/L		U	.015 MG/L		U			
NICKEL							.031 MG/L		U	.031 MG/L		U			
POTASSIUM							3.52 MG/L		-	4.37 MG/L		-			
SELENIUM							.001 MG/L		U	.0014 MG/L		U			
SILVER							.003 MG/L		U	.003 MG/L		U			
SODIUM							12.5 MG/L		-	12.2 MG/L		-			
THALLIUM							.002 MG/L		U	.002 MG/L		U			
VANADIUM							.007 MG/L		U	.007 MG/L		U			
ZINC							.002 MG/L		U	.0106 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL	7.6 UG/L		NV	8 UG/L		NV									
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		UJ			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		UJ			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			

SAMPLE NUMBER:	GW930405-2			GW930405-2			GW930405-2			GW930405-2			EMGW_SYSGEN_615		
LAB:	FERMCO			FERMCO			LOCKHEED			LOCKHEED			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_615	066792	066792	066850	GW930111-7
TASK:	GWMON	9.27	9.27	9.25	RCRA
LAB:	NET	WMCO	WMCO	IT	CORE
WELL OR BORING NUMBER:	2064	2064	2064	2064	2064
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-MAR-90	07-DEC-89	07-DEC-89	07-DEC-89	11-JAN-93
NORTH COORDINATE:	480720.1	480720.1	480720.1	480720.1	480720.1
EAST COORDINATE:	1382183.97	1382183.97	1382183.97	1382183.97	1382183.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	F-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.2 MG/L		UNV						
RADIONUCLIDES															
URANIUM-238										1.82 PCI/L	.39	R			
URANIUM, TOTAL										4.74 UG/L	.5	R	1.9 UG/L		NV
URANIUM-234										1.9 PCI/L	.4	R			
THORIUM-230										1 PCI/L		R	.2 PCI/L	.1	UNV
RADIUM-226													1 PCI/L	.4	UNV
URANIUM-235/236										1 PCI/L		R			
THORIUM-232													.2 PCI/L	.1	UNV
THORIUM, TOTAL													1 UG/L		NV
RADIUM-228													3 PCI/L	1.1	UNV
THORIUM-228										1 PCI/L		R	.2 PCI/L	.1	UNV
TECHNETIUM-99										30 PCI/L		R			
GROSS ALPHA													1 PCI/L	2	NV
GROSS BETA													.4 PCI/L	2.6	UNV
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				2.5 UG/L		UNV						
BENZENE	1 UG/L		UNV				2.5 UG/L		UNV						
METHYLENE CHLORIDE	1 UG/L		UNV				2.5 UG/L		UNV						
TETRACHLOROETHENE	1 UG/L		UNV				2.5 UG/L		UNV						
TOLUENE	1 UG/L		UNV				2.5 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV				2.5 UG/L		UNV						
XYLENES, TOTAL	1 UG/L		UNV				2.5 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930111-7	GW930111-7	GW930111-7	003139	003139
TASK:	RCRA	RCRA	RCRA	3.2.4	3.2.4
LAB:	FERMCO	NET	NET	IT	IT
WELL OR BORING NUMBER:	2064	2064	2064	2064	2064
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-JAN-93	11-JAN-93	11-JAN-93	14-APR-88	14-APR-88
NORTH COORDINATE:	480720.1	480720.1	480720.1	480720.1	480720.1
EAST COORDINATE:	1382183.97	1382183.97	1382183.97	1382183.97	1382183.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							252 MG/L		NV						
ALLYL CHLORIDE							5 UG/L		UNV						
AMMONIA							.06 MG/L		NV				.2 MG/L		-
BICARBONATE ALKALINITY							378 MG/L		NV						
CARBONATE ALKALINITY							3 MG/L		UNV						
CHLORIDE							23 MG/L		NV				26.2 MG/L		J
FLUORIDE							.15 MG/L		NV				.3 MG/L		-
NITRATE							.02 MG/L		UNV				.1 MG/L		UJ
NITRITE, AS NITROGEN							.02 MG/L		UNV						
PH							7.23 SU		NV				10 UG/L		R
PHENOLS							.01 MG/L		UNV				.01 MG/L		U
PHOSPHORUS							.1 MG/L		UNV				.05 MG/L		UJ
SPECIFIC CONDUCTIVITY							992 UMHOS/CM		NV						
SULFATE							345 MG/L		NV				40 MG/L		J
TOTAL DISSOLVED SOLIDS				571 MG/L		NV									
TOTAL ORGANIC CARBON							13 MG/L		NV						
TOTAL ORGANIC HALIDES							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.2 MG/L		-
TOTAL SOLIDS							627 MG/L		NV						
INORGANICS															
ALUMINUM				.2 MG/L		UNV	.2 MG/L		UNV	.05 MG/L		UNV			
ANTIMONY				.02 MG/L		UNV	.02 MG/L		UNV	.0005 MG/L		UNV			
ARSENIC				.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		UNV			
BARIUM				.2 MG/L		UNV	.22 MG/L		NV	.092 MG/L		NV			
BERYLLIUM				.005 MG/L		UNV	.005 MG/L		UNV	.001 MG/L		UNV			

SAMPLE NUMBER:	GW930111-7			GW930111-7			GW930111-7			003139			003139		
LAB:	FERMCO			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV	.002 MG/L		UNV			
CALCIUM				159 MG/L		NV	159 MG/L		NV	177.6 MG/L		NV			
CHROMIUM				.002 MG/L		UNV	.002 MG/L		UNV	.02 MG/L		UNV			
COBALT				.005 MG/L		UNV	.005 MG/L		UNV	.01 MG/L		UNV			
COPPER				.02 MG/L		UNV	.02 MG/L		UNV	.01 MG/L		UNV			
CYANIDE							.005 MG/L		UNV				.01 MG/L		UNV
IRON				3.3 MG/L		NV	6.93 MG/L		NV	2.372 MG/L		NV			
LEAD				.003 MG/L		UNV	.003 MG/L		UNV	.0138 MG/L		NV			
MAGNESIUM				31.2 MG/L		NV	31 MG/L		NV	40 MG/L		NV			
MANGANESE				.462 MG/L		NV	.513 MG/L		NV	.492 MG/L		NV			
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM				.01 MG/L		UNV	.01 MG/L		UNV						
NICKEL				.01 MG/L		UNV	.01 MG/L		UNV	.02 MG/L		UNV			
POTASSIUM							3 MG/L		NV	31 MG/L		NV			
SELENIUM				.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		UNV			
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.005 MG/L		UNV			
SODIUM							12 MG/L		NV	17.36 MG/L		NV			
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.001 MG/L		UNV			
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV	.01 MG/L		UNV			
ZINC				.02 MG/L		UNV	.02 MG/L		UNV	.01 MG/L		UNV			
MISC															
1,2,3-TRICHLOROPROPANE							5 UG/L		UNV						
1,2-DIBROMO-3-CHLOROPROPANE							2 UG/L		UNV						
1,2-DIBROMOETHANE							2 UG/L		UNV						
2-CHLORO-1,3-BUTADIENE							5 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACRYLONITRILE							50 UG/L		UNV						
DICHLORODIFLUOROMETHANE							10 UG/L		UNV						
ETHYL CYANIDE							20 UG/L		UNV						
ETHYL METHACRYLATE							5 UG/L		UNV						
IODOMETHANE							5 UG/L		UNV						
METHACRYLONITRILE							5 UG/L		UNV						
METHYL METHACRYLATE							5 UG/L		UNV						
PENTACHLOROETHANE							5 UG/L		UNV						
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
TRANS-1,4-DICHLORO-2-BUTENE							20 UG/L		UNV						

PESTICIDES

4,4'-DDD .1 UG/L U

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

DRAFT
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SAMPLE NUMBER:	GW930111-7	GW930111-7	GW930111-7	003139	003139
LAB:	FERMCO	NET	NET	IT	IT
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDE													.1 UG/L		U
4,4'-DDT													.1 UG/L		U
ALDRIN													.05 UG/L		U
ALPHA-BHC													.05 UG/L		U
ALPHA-CHLORDANE													.5 UG/L		U
AROCLOR-1016													.5 UG/L		U
AROCLOR-1221													.5 UG/L		U
AROCLOR-1232													.5 UG/L		U
AROCLOR-1242													.5 UG/L		U
AROCLOR-1248													.5 UG/L		U
AROCLOR-1254													1 UG/L		U
AROCLOR-1260													1 UG/L		U
BETA-BHC													.05 UG/L		U
DELTA-BHC													.05 UG/L		U
DIELDRIN													.1 UG/L		U
ENDOSULFAN II													.1 UG/L		U
ENDOSULFAN SULFATE													.1 UG/L		U
ENDOSULFAN-I													.05 UG/L		U
ENDRIN													.1 UG/L		U
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.05 UG/L		U
GAMMA-CHLORDANE													.5 UG/L		U
HEPTACHLOR													.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
TOXAPHENE													1 UG/L		U
RADIONUCLIDES															
URANIUM-238													1.6 PCI/L	.5	NV
URANIUM, TOTAL	.4 UG/L		NV										3 UG/L	1	NV
URANIUM-234													1.2 PCI/L	.4	NV
THORIUM-230													1.2 PCI/L	.7	NV
RADIUM-226													1 PCI/L		UNV
URANIUM-235/236													1 PCI/L		NV
THORIUM-232													1 PCI/L		NV
THORIUM, TOTAL													9.12018152 PCI/L		NV
RADIUM-228													3 PCI/L		UNV

001655

SAMPLE NUMBER:	GW930111-7			GW930111-7			GW930111-7			003139			003139		
LAB:	FERMCO			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-228													1 PCI/L		NV
NEPTUNIUM-237													1 PCI/L		NV
PLUTONIUM-239/240													1 PCI/L		NV
PLUTONIUM-238													1 PCI/L		NV
STRONTIUM-90													5 PCI/L		NV
TECHNETIUM-99													30 PCI/L		NV
RUTHENIUM-106													150 PCI/L		UNV
CESIUM-137													20 PCI/L		NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		R
1,2-DICHLOROBENZENE													10 UG/L		R
1,3-DICHLOROBENZENE													10 UG/L		R
1,4-DICHLOROBENZENE													10 UG/L		R
2,4,5-TRICHLOROPHENOL													50 UG/L		R
2,4,6-TRICHLOROPHENOL													10 UG/L		R
2,4-DICHLOROPHENOL													10 UG/L		R
2,4-DIMETHYLPHENOL													10 UG/L		R
2,4-DINITROPHENOL													10 UG/L		R
2,4-DINITROTOLUENE													50 UG/L		R
2,6-DINITROTOLUENE													10 UG/L		R
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
2-CHLORONAPHTHALENE													10 UG/L		R
2-CHLOROPHENOL													10 UG/L		R
2-METHYLNAPHTHALENE													10 UG/L		R
2-METHYLPHENOL													10 UG/L		R
2-NITROANILINE													50 UG/L		R
2-NITROPHENOL													10 UG/L		R
3,3'-DICHLOROBENZIDINE													20 UG/L		R
3-NITROANILINE													50 UG/L		R
4,6-DINITRO-2-METHYLPHENOL													10 UG/L		R
4-BROMOPHENYL PHENYL ETHER													10 UG/L		R
4-CHLORO-3-METHYLPHENOL													10 UG/L		R
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		R
4-METHYLPHENOL													10 UG/L		R
4-NITROANILINE													50 UG/L		R
4-NITROPHENOL													50 UG/L		R
ACENAPHTHENE													10 UG/L		R
ACENAPHTHYLENE													10 UG/L		R
ANTHRACENE													10 UG/L		R
BENZO(A)ANTHRACENE													10 UG/L		R

SAMPLE NUMBER:	GW930111-7			GW930111-7			GW930111-7			003139			003139		
LAB:	FERMCO			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(A)PYRENE													10 UG/L		R
BENZO(B)FLUORANTHENE													10 UG/L		R
BENZO(G,H,I)PERYLENE													10 UG/L		R
BENZO(K)FLUORANTHENE													10 UG/L		R
BENZOIC ACID													50 UG/L		R
BENZYL ALCOHOL													10 UG/L		R
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		R
BIS(2-CHLOROETHYL)ETHER													10 UG/L		R
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		R
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		R
BUTYL BENZYL PHTHALATE													10 UG/L		R
CHRYSENE													10 UG/L		R
CUMENE							1 UG/L		UNV						
DI-N-BUTYL PHTHALATE													10 UG/L		R
DI-N-OCTYL PHTHALATE													10 UG/L		R
DIBENZO(A,H)ANTHRACENE													10 UG/L		R
DIBENZOFURAN													10 UG/L		R
DIETHYL PHTHALATE													10 UG/L		R
DIMETHYL PHTHALATE													10 UG/L		R
FLUORANTHENE													10 UG/L		R
FLUORENE													50 UG/L		R
HEXACHLOROBENZENE													10 UG/L		R
HEXACHLOROBUTADIENE													10 UG/L		R
HEXACHLOROCYCLOPENTADIENE													10 UG/L		R
HEXACHLOROETHANE													10 UG/L		R
INDENO(1,2,3-CD)PYRENE													10 UG/L		R
ISOPHORONE													10 UG/L		R
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		R
N-NITROSODIPHENYLAMINE													10 UG/L		R
NAPHTHALENE													10 UG/L		R
NITROBENZENE													10 UG/L		R
P-CHLOROANILINE													10 UG/L		R
PENTACHLOROPHENOL													50 UG/L		R
PHENANTHRENE													10 UG/L		R
PHENOL							.01 MG/L		UNV				10 UG/L		R
PYRENE													10 UG/L		R
VOLATILES															
1,1,1,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,1-TRICHLOROETHANE							1 UG/L		UNV				5 UG/L		U

SAMPLE NUMBER:	GW930111-7			GW930111-7			GW930111-7			003139			003139		
LAB:	FERMCO			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV				5 UG/L		U
1,1,2-TRICHLOROETHANE							1 UG/L		UNV				5 UG/L		U
1,1-DICHLOROETHANE							1 UG/L		UNV				5 UG/L		U
1,1-DICHLOROETHENE							1 UG/L		UNV				5 UG/L		U
1,2-DICHLOROETHANE							1 UG/L		UNV				5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													5 UG/L		U
1,2-DICHLOROPROPANE							1 UG/L		UNV				5 UG/L		U
2-BUTANONE							10 UG/L		UNV				10 UG/L		U
2-HEXANONE							10 UG/L		UNV				10 UG/L		U
4-METHYL-2-PENTANONE							10 UG/L		UNV				10 UG/L		U
ACETONE							10 UG/L		UNV				10 UG/L		U
BENZENE							1 UG/L		UNV				5 UG/L		U
BROMODICHLOROMETHANE							1 UG/L		UNV				5 UG/L		U
BROMOFORM							1 UG/L		UNV				5 UG/L		U
BROMOMETHANE							5 UG/L		UNV				10 UG/L		U
CARBON DISULFIDE							1 UG/L		UNV				5 UG/L		U
CARBON TETRACHLORIDE							1 UG/L		UNV				5 UG/L		U
CHLOROBENZENE							1 UG/L		UNV				5 UG/L		U
CHLOROETHANE							10 UG/L		UNV				10 UG/L		U
CHLOROFORM							1 UG/L		UNV				5 UG/L		U
CHLOROMETHANE							10 UG/L		UNV				10 UG/L		U
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV				5 UG/L		U
DIBROMOCHLOROMETHANE							1 UG/L		UNV				5 UG/L		U
ETHYLBENZENE							1 UG/L		UNV				5 UG/L		U
METHYLENE CHLORIDE							10 UG/L		UNV				5 UG/L		U
STYRENE							1 UG/L		UNV				5 UG/L		U
TETRACHLOROETHENE							1 UG/L		UNV				5 UG/L		U
TOLUENE							1 UG/L		UNV				5 UG/L		U
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV				5 UG/L		U
TRICHLOROETHENE							1 UG/L		UNV				5 UG/L		U
TRICHLOROFLUOROMETHANE							1 UG/L		UNV						
VINYL ACETATE							10 UG/L		UNV				10 UG/L		U
VINYL CHLORIDE							5 UG/L		UNV				10 UG/L		U
XYLENES, TOTAL							1 UG/L		UNV				5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_618	EMGW_SYSGEN_619	EMGW_SYSGEN_619	003840	003840
TASK:	GWMON	GWMON	GWMON	3.2.4	3.2.4
LAB:	NET	IT	NET	IT	IT
WELL OR BORING NUMBER:	2064	2064	2064	2064	2064
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-SEP-90	19-DEC-90	19-DEC-90	20-JAN-89	20-JAN-89
NORTH COORDINATE:	480720.1	480720.1	480720.1	480720.1	480720.1
EAST COORDINATE:	1382183.97	1382183.97	1382183.97	1382183.97	1382183.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	263 MG/L		NV				278 MG/L		NV						
AMMONIA							.05 MG/L		NV				.441 MG/L		J
CHLORIDE	22 MG/L		NV				22 MG/L		NV				16 MG/L		-
FLUORIDE	.18 MG/L		NV				.13 MG/L		NV				.16 MG/L		J
NITRATE	.04 MG/L		NV				.02 MG/L		UNV				.1 MG/L		R
NITRATE, AS NITROGEN	.04 MG/L		NV												
NITRATE/NITRITE							.02 MG/L		UNV						
PH	6.9 SU		NV				7.05 SU		NV				.014 MG/L		-
PHENOLS	.005 MG/L		UNV				.005 MG/L		UNV				.014 MG/L		-
PHOSPHORUS							.16 MG/L		NV						
SPECIFIC CONDUCTIVITY	1090 UMHOS/CM		NV				1160 UMHOS/CM		NV						
SULFATE	288 MG/L		NV				262 MG/L		NV				179 MG/L		-
TOTAL DISSOLVED SOLIDS	875 MG/L		NV				704 MG/L		NV						
TOTAL KJELDAHL NITROGEN													.377 MG/L		R
TOTAL ORGANIC CARBON	4 MG/L		NV				1 MG/L		UNV						
TOTAL ORGANIC HALIDES													.021 MG/L		J
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.064 MG/L		-
INORGANICS															
ARSENIC										.002 MG/L		U			
BARIUM										.083 MG/L		-			
CADMIUM										.006 MG/L		-			
CALCIUM										141 MG/L		-			
CHROMIUM										.031 MG/L		-			
COPPER										.014 MG/L		-			

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SAMPLE NUMBER:	EMGW_SYSGEN_618			EMGW_SYSGEN_619			EMGW_SYSGEN_619			003840			003840		
LAB:	NET			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE							.005 MG/L		UNV						
IRON										3.23 MG/L		-			
LEAD										.002 MG/L		R			
MAGNESIUM										35.3 MG/L		-			
MANGANESE										.22 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL										.024 MG/L		-			
POTASSIUM										2.5 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILVER										.0005 MG/L		R			
SODIUM										12.1 MG/L		-			
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238				1.69 PCI/L		NV							1 PCI/L		U
URANIUM, TOTAL				4.89 UG/L		NV							1 UG/L		U
URANIUM-234				2.21 PCI/L		NV							1 PCI/L		U
THORIUM-230				.53 PCI/L		UNV							1 PCI/L		U
RADIUM-226				1 PCI/L		UNV							1 PCI/L		U
URANIUM-235/236				.2 PCI/L		UNV							1 PCI/L		U
THORIUM-232				.53 PCI/L		UNV							1 PCI/L		U
THORIUM, TOTAL				4.8 UG/L		UNV							6 UG/L		U
RADIUM-228				3 PCI/L		UNV							3 PCI/L		U
THORIUM-228				.53 PCI/L		UNV							1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		UJ
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
GROSS ALPHA				8.2 PCI/L		UNV									
GROSS BETA				9.85 PCI/L		NV									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV				10 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_618			EMGW_SYSGEN_619			EMGW_SYSGEN_619			003840			003840		
LAB:	NET			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV						
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV						
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV						
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV						
ACETONE	2 UG/L		UNV				2 UG/L		UNV						
BENZENE	1 UG/L		UNV				1 UG/L		UNV						
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV						
BROMOMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV						
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV						
CHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV						
METHYLENE CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
STYRENE	1 UG/L		UNV				1 UG/L		UNV						
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TOLUENE	1 UG/L		UNV				1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
VINYL ACETATE	2 UG/L		UNV				2 UG/L		UNV						
VINYL CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV						

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_616	EMGW_SYSGEN_616	003420	003420	003421
TASK:	GWMON	GWMON	3.2.4	3.2.4	3.2.4
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	2064	2064	2064	2064	2064
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-MAY-90	23-MAY-90	25-JUL-88	25-JUL-88	25-JUL-88
NORTH COORDINATE:	480720.1	480720.1	480720.1	480720.1	480720.1
EAST COORDINATE:	1382183.97	1382183.97	1382183.97	1382183.97	1382183.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					003420
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.04 MG/L		-			
CHLORIDE				23 MG/L		NV				29 MG/L		J			
FLUORIDE										.3 MG/L		J			
NITRATE				.02 MG/L		UNV				.11 MG/L		J			
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PHENOLS										.002 MG/L		U			
PHOSPHORUS										.07 MG/L		-			
SULFATE				179 MG/L		NV				140 MG/L		-			
TOTAL ORGANIC CARBON				23 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										.05 MG/L		R			
INORGANICS															
ARSENIC							.01 MG/L		U				.01 MG/L		U
BARIUM							.5 MG/L		U				.5 MG/L		U
CADMIUM							.005 MG/L		U				.005 MG/L		U
CALCIUM							130 MG/L		-				120 MG/L		-
CHROMIUM							.01 MG/L		U				.01 MG/L		U
COPPER							.01 MG/L		U				.01 MG/L		U
IRON							2.8 MG/L		-				2.8 MG/L		-
LEAD							.005 MG/L		U				.005 MG/L		U
MAGNESIUM							30 MG/L		-				30 MG/L		-
MANGANESE							.23 MG/L		-				.23 MG/L		-
MERCURY							.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM							.05 MG/L		-				.05 MG/L		U
NICKEL							.03 MG/L		U				.03 MG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_616			EMGW_SYSGEN_616			003420			003420			003421		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM							2.1 MG/L		-				2.1 MG/L		-
SELENIUM							.005 MG/L		UJ				.005 MG/L		UJ
SILVER							.01 MG/L		U				.01 MG/L		U
SODIUM							19 MG/L		-				18 MG/L		-
RADIONUCLIDES															
URANIUM-238	.594 PCI/L		NV							1 PCI/L		UJ			
URANIUM, TOTAL	2.55 UG/L		NV							2 UG/L	1	-			
URANIUM-234	.55 PCI/L		NV							1 PCI/L		UJ			
THORIUM-230	3.44 PCI/L		NV							1 PCI/L		UJ			
RADIUM-226	1 PCI/L		UNV							1 PCI/L		U			
URANIUM-235/236	.3 PCI/L		UNV							1 PCI/L		UJ			
THORIUM-232	.4 PCI/L		UNV							1 PCI/L		UJ			
THORIUM, TOTAL	3.7 UG/L		UNV							4 UG/L		UJ			
RADIUM-228	3 PCI/L		UNV							3 PCI/L		U			
THORIUM-228	.453 PCI/L		NV							1 PCI/L		UJ			
NEPTUNIUM-237										1 PCI/L		UJ			
PLUTONIUM-239/240										1 PCI/L		UJ			
PLUTONIUM-238										1 PCI/L		UJ			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA	13.2 PCI/L		NV												
GROSS BETA	21 PCI/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									

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SAMPLE NUMBER:	EMGW_SYSGEN_616			EMGW_SYSGEN_616			003420			003420			003421		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003421	004059	EMGW_SYSGEN_617	EMGW_SYSGEN_617	EMGW_SYSGEN_617
TASK:	3.2.4	3.2.4	GWMON	GWMON	GWMON
LAB:	IT	IT	IT	NET	WMCO
WELL OR BORING NUMBER:	2064	2064	2064	2064	2064
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-JUL-88	28-MAR-89	29-JUN-90	29-JUN-90	29-JUN-90
NORTH COORDINATE:	480720.1	480720.1	480720.1	480720.1	480720.1
EAST COORDINATE:	1382183.97	1382183.97	1382183.97	1382183.97	1382183.97
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	003420				
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.03 MG/L		-												
CHLORIDE	40 MG/L		J							23 MG/L		NV			
FLUORIDE	.19 MG/L		J												
NITRATE	.19 MG/L		J							.02 MG/L		UNV			
NITRATE, AS NITROGEN										.02 MG/L		UNV			
PHENOLS	.002 MG/L		U												
PHOSPHORUS	.07 MG/L		-												
SULFATE	140 MG/L		-							169 MG/L		NV			
TOTAL ORGANIC CARBON										2 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	.05 MG/L		R												
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL				.5 UG/L		U									
DEMETON				.4 UG/L		U									
DIAZINON				.2 UG/L		U									
DISULFOTON				.2 UG/L		U									
ETHION				.2 UG/L		U									
MALATHION				.2 UG/L		U									
METHYL PARATHION				.2 UG/L		U									
PARATHION				.2 UG/L		U									
RADIONUCLIDES															
URANIUM-238	1 PCI/L		UJ				.382 PCI/L		NV				.307 PCI/L		NV
URANIUM, TOTAL	2 UG/L	1	-				1.15 UG/L		NV				.92 UG/L		NV

SAMPLE NUMBER:	003421			004059			EMGW_SYSGEN_617			EMGW_SYSGEN_617			EMGW_SYSGEN_617		
LAB:	IT			IT			IT			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-234	1 PCI/L		UJ				.502 PCI/L		NV				.2299 PCI/L		NV
THORIUM-230	1 PCI/L		UJ				.29 PCI/L		UNV						
RADIUM-226	1 PCI/L		U				1 PCI/L		UNV						
URANIUM-235/236	1 PCI/L		UJ				.32 PCI/L		UNV						
THORIUM-232	1 PCI/L		UJ				.29 PCI/L		UNV						
THORIUM, TOTAL	3 UG/L		UJ				2.6 UG/L		UNV						
RADIUM-228	3 PCI/L		U				3 PCI/L		UNV						
THORIUM-228	1 PCI/L		UJ				.728 PCI/L		NV						
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		UJ												
PLUTONIUM-238	1 PCI/L		UJ												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA							18 PCI/L		UNV						
GROSS BETA							10 PCI/L		UNV						
URANIUM-235	1 PCI/L		UJ				.32 PCI/L		UNV				.0137 PCI/L		NV
URANIUM-236													.0036 PCI/L		NV
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			

SAMPLE NUMBER:	003421			004059			EMGW_SYSGEN_617			EMGW_SYSGEN_617			EMGW_SYSGEN_617		
LAB:	IT			IT			IT			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_617D	EMGW_SYSGEN_617D	003538	003538	003538
TASK:	GWMON	GWMON	3.2.4	3.2.4	3.2.4
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	2064	2064	2065	2065	2065
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-JUN-90	29-JUN-90	02-FEB-89	02-FEB-89	02-FEB-89
NORTH COORDINATE:	480720.1	480720.1	477866.51	477866.51	477866.51
EAST COORDINATE:	1382183.97	1382183.97	1380434.37	1380434.37	1380434.37
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE
QC OF:	EMGW_SYSGEN_617	EMGW_SYSGEN_617	003884	003884	003884
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	F-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													.1 MG/L		U
CHLORIDE				23 MG/L		NV									
FLUORIDE													.11 MG/L		-
NITRATE				.02 MG/L		UNV							.1 MG/L		R
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PHENOLS													.01 MG/L		R
PHOSPHORUS													.06 MG/L		J
SULFATE				182 MG/L		NV							214 MG/L		-
TOTAL KJELDAHL NITROGEN													1.79 MG/L		J
TOTAL ORGANIC CARBON				1 MG/L		UNV									
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN													1.79 MG/L		-
INORGANICS															
ARSENIC										.002 MG/L		U			
BARIUM										.072 MG/L		-			
CADMIUM										.009 MG/L		-			
CALCIUM										177 MG/L		-			
CHROMIUM										.033 MG/L		-			
COPPER										.024 MG/L		-			
IRON										1.02 MG/L		-			
LEAD										.002 MG/L		-			
MAGNESIUM										50.1 MG/L		-			
MANGANESE										.497 MG/L		-			
MERCURY										.0009 MG/L		J			

SAMPLE NUMBER:	EMGW_SYSGEN_617D			EMGW_SYSGEN_617D			003538			003538			003538		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM										.02 MG/L		U			
NICKEL										.023 MG/L		-			
POTASSIUM										3.25 MG/L		-			
SELENIUM										.005 MG/L		J			
SILVER										.0005 MG/L		U			
SODIUM										14 MG/L		-			
RADIONUCLIDES															
URANIUM-238	.449 PCI/L		NV				3.7 PCI/L	1	-						
URANIUM, TOTAL	1.42 UG/L		NV				13 UG/L	2	-						
URANIUM-234	1.49 PCI/L		NV				6 PCI/L	1.4	-						
THORIUM-230	.28 PCI/L		UNV				1.6 PCI/L	.7	-						
RADIUM-226	1 PCI/L		UNV				1 PCI/L		U						
URANIUM-235/236	.21 PCI/L		UNV				1 PCI/L		U						
THORIUM-232	.28 PCI/L		UNV				1.4 PCI/L	.7	-						
THORIUM, TOTAL	2.5 UG/L		UNV				13 UG/L	7	-						
RADIUM-228	3 PCI/L		UNV				3 PCI/L		UJ						
THORIUM-228	.97 PCI/L		NV				1.2 PCI/L	.7	J						
NEPTUNIUM-237							1 PCI/L		U						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
GROSS ALPHA	18 PCI/L		UNV												
GROSS BETA	13 PCI/L		NV												
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									

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SAMPLE NUMBER:	EMGW_SYSGEN_617D	EMGW_SYSGEN_617D	003538	003538	003538
LAB:	IT	NET	IT	IT	IT
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	F-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003538	003544	003884	003884	003884
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2065	2065	2065	2065	2065
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-FEB-89	02-FEB-89	02-FEB-89	02-FEB-89	02-FEB-89
NORTH COORDINATE:	477866.51	477866.51	477866.51	477866.51	477866.51
EAST COORDINATE:	1380434.37	1380434.37	1380434.37	1380434.37	1380434.37
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	003884				
SUFFIX/FILTERFLAG:	U-UNF	NONE-UNF	F-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													.1 MG/L		U
FLUORIDE													.11 MG/L		-
NITRATE													.1 MG/L		R
PHENOLS													.01 MG/L		R
PHOSPHORUS													.08 MG/L		J
SULFATE													229 MG/L		-
TOTAL KJELDAHL NITROGEN													.1 MG/L		J
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC NITROGEN													.1 MG/L		-
INORGANICS															
ARSENIC										.002 MG/L		U			
BARIUM										.077 MG/L		-			
CADMIUM										.009 MG/L		-			
CALCIUM										185 MG/L		-			
CHROMIUM										.037 MG/L		-			
COPPER										.026 MG/L		-			
IRON										1.11 MG/L		-			
LEAD										.002 MG/L		U			
MAGNESIUM										51.3 MG/L		-			
MANGANESE										.517 MG/L		-			
MERCURY										.0011 MG/L		UJ			
MOLYBDENUM										.02 MG/L		U			
NICKEL										.032 MG/L		-			
POTASSIUM										3.19 MG/L		-			
SELENIUM										.006 MG/L		J			

SAMPLE NUMBER:	003538			003544			003884			003884			003884		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	U-UNF			NONE-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SILVER										.0005 MG/L		U			
SODIUM										14.2 MG/L		-			
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL				2.5 UG/L		UJ									
DEMETON				.25 UG/L		UJ									
DIAZINON				.25 UG/L		UJ									
DISULFOTON				.25 UG/L		UJ									
ETHION				.25 UG/L		UJ									
MALATHION				.25 UG/L		UJ									
METHYL PARATHION				.25 UG/L		UJ									
PARATHION				.25 UG/L		UJ									
RADIONUCLIDES															
URANIUM-238	3.9 PCI/L	1.1	-				3.5 PCI/L	1.2	-						
URANIUM, TOTAL	9 UG/L	2	-				13 UG/L	2	-						
URANIUM-234	5.3 PCI/L	1.3	-				5 PCI/L	1.4	-						
THORIUM-230	1.1 PCI/L		U				1 PCI/L		U						
RADIUM-226	1 PCI/L		U				1 PCI/L		U						
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U						
THORIUM-232	1.1 PCI/L		U				1 PCI/L		U						
THORIUM, TOTAL	10 UG/L		U				8 UG/L		U						
RADIUM-228	3 PCI/L		UJ				3 PCI/L		UJ						
THORIUM-228	1.4 PCI/L	.9	J				2.3 PCI/L	.9	-						
NEPTUNIUM-237	1.1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U						
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U						
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R						
CESIUM-137	20 PCI/L		R				20 PCI/L		R						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003884	112008	112008	112008	113291
TASK:	3.2.4	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT	IT	IT/MWL	IT
WELL OR BORING NUMBER:	2065	2065	2065	2065	2065
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-FEB-89	03-MAY-93	03-MAY-93	03-MAY-93	03-MAY-93
NORTH COORDINATE:	477866.51	477866.51	477866.51	477866.51	477866.51
EAST COORDINATE:	1380434.37	1380434.37	1380434.37	1380434.37	1380434.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	U-UNF	NONE-UNF	RE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				437.5 MG/L		-									
AMMONIA				.1 MG/L		U									
CHLORIDE				19.38 MG/L		-									
FLUORIDE				.11 MG/L		-									
NITRATE				.15 MG/L		J									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.02 MG/L		U									
SULFATE				18.6 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL KJELDAHL NITROGEN				.1 MG/L		U									
TOTAL ORGANIC CARBON				1 MG/L		U									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.1 MG/L		U									
INORGANICS															
ALUMINUM				.0805 MG/L		-							.144 MG/L		-
ANTIMONY				.0012 MG/L		UJ							.0024 MG/L		UJ
ARSENIC				.001 MG/L		U							.001 MG/L		U
BARIUM				.042 MG/L		J							.042 MG/L		J
BERYLLIUM				.0027 MG/L		U							.0027 MG/L		U
CADMIUM				.002 MG/L		U							.002 MG/L		U
CALCIUM				155 MG/L		-							158 MG/L		-
CHROMIUM				.004 MG/L		U							.004 MG/L		U
COBALT				.003 MG/L		U							.003 MG/L		U
COPPER				.002 MG/L		U							.002 MG/L		U
CYANIDE				.001 MG/L		U							.001 MG/L		UR

SAMPLE NUMBER:	003884			112008			112008			112008			113291		
LAB:	IT			IT			IT			IT/MWL			IT		
SUFFIX/FILTERFLAG:	U-UNF			NONE-UNF			RE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				.811 MG/L		-							.312 MG/L		-
LEAD				.001 MG/L		UJ							.001 MG/L		UJ
MAGNESIUM				49.3 MG/L		-							50.8 MG/L		-
MANGANESE				.44 MG/L		-							.257 MG/L		-
MERCURY				.0002 MG/L		U							.0002 MG/L		U
MOLYBDENUM				.003 MG/L		U							.0063 MG/L		U
NICKEL				.003 MG/L		U							.003 MG/L		U
POTASSIUM				3.09 MG/L		-							3.2 MG/L		-
SELENIUM				.001 MG/L		U							.001 MG/L		U
SILICON				5.18 MG/L		-							5.47 MG/L		-
SILVER				.002 MG/L		U							.002 MG/L		U
SODIUM				12.4 MG/L		-							12.7 MG/L		-
THALLIUM				.001 MG/L		U							.001 MG/L		U
VANADIUM				.0114 MG/L		U							.0103 MG/L		U
ZINC				.0052 MG/L		U							.0036 MG/L		U
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.05 UG/L		U									
AROCLOR-1016				1 UG/L		UJ									
AROCLOR-1221				2 UG/L		UJ									
AROCLOR-1232				1 UG/L		UJ									
AROCLOR-1242				1 UG/L		UJ									
AROCLOR-1248				1 UG/L		UJ									
AROCLOR-1254				1 UG/L		UJ									
AROCLOR-1260				1 UG/L		UJ									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN ALDEHYDE				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.05 UG/L		U									

SAMPLE NUMBER:	003884			112008			112008			112008			113291		
LAB:	IT			IT			IT			IT/MWL			IT		
SUFFIX/FILTERFLAG:	U-UNF			NONE-UNF			RE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				5 UG/L		UJ									
RADIONUCLIDES															
URANIUM-238	3.3 PCI/L	1.1	-	3.64 PCI/L	.895	-							3.39 PCI/L	1.15	-
URANIUM, TOTAL	8 UG/L	1	-	9.94 UG/L	1.05	-							9.96 UG/L	1.53	-
URANIUM-234	3.7 PCI/L	1.2	-	4.81 PCI/L	1.14	-							5.43 PCI/L	1.64	-
THORIUM-230	1 PCI/L		U	3.06 PCI/L	2.24	R	1.8 PCI/L		NV				.323 PCI/L		UJ
RADIUM-226	1 PCI/L		U	1 PCI/L		UJ							1 PCI/L		UJ
URANIUM-235/236	1 PCI/L		U	.311 PCI/L	.168	J							.367 PCI/L		UJ
THORIUM-232	1 PCI/L		U	3.37 PCI/L		R	1.8 PCI/L	.552	NV				.239 PCI/L		UJ
THORIUM, TOTAL	7 UG/L		U	31 UG/L	5.93	R	.5 UG/L	5.03	UNV				2.2 UG/L	.36	UJ
RADIUM-228	3 PCI/L		UJ	3.21 PCI/L		UJ							3 PCI/L		UJ
THORIUM-228	1.2 PCI/L	.6	J	3.64 PCI/L		R	1.7 PCI/L		NV				.271 PCI/L		UJ
NEPTUNIUM-237	1 PCI/L		U	.331 PCI/L		R							.255 PCI/L		R
PLUTONIUM-239/240	1 PCI/L		U	.69 PCI/L		R							.5 PCI/L		UJ
PLUTONIUM-238	1 PCI/L		U	.69 PCI/L		R							.5 PCI/L		UJ
STRONTIUM-90	5 PCI/L		U	1 PCI/L		UJ							6.98 PCI/L		UJ
TECHNETIUM-99	30 PCI/L		U	15 PCI/L		UJ							15 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		R	150 PCI/L		UJ							150 PCI/L		UJ
CESIUM-137	20 PCI/L		R	15.5 PCI/L		UJ							15.4 PCI/L		UJ
GROSS ALPHA				10.7 PCI/L		UJ							9.4 PCI/L		UJ
GROSS BETA				6.92 PCI/L	4.39	J							6.62 PCI/L	4.2	J
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				5 UG/L		U									
1,2-DICHLOROBENZENE				5 UG/L		U									
1,3-DICHLOROBENZENE				5 UG/L		U									
1,4-DICHLOROBENZENE				5 UG/L		U									
2,4,5-TRICHLOROPHENOL				12 UG/L		U									
2,4,6-TRICHLOROPHENOL				5 UG/L		U									
2,4-DICHLOROPHENOL				5 UG/L		U									
2,4-DIMETHYLPHENOL				5 UG/L		U									
2,4-DINITROPHENOL				12 UG/L		UJ									
2,4-DINITROTOLUENE				5 UG/L		U									
2,6-DINITROTOLUENE				5 UG/L		U									
2-CHLORONAPHTHALENE				5 UG/L		U									
2-CHLOROPHENOL				5 UG/L		U									

SAMPLE NUMBER:	003884			112008			112008			112008			113291		
LAB:	IT			IT			IT			IT/MWL			IT		
SUFFIX/FILTERFLAG:	U-UNF			NONE-UNF			RE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-METHYLNAPHTHALENE				5 UG/L		U									
2-METHYLPHENOL				5 UG/L		U									
2-NITROANILINE				12 UG/L		U									
2-NITROPHENOL				5 UG/L		U									
3,3'-DICHLOROBENZIDINE				5 UG/L		U									
3-NITROANILINE				12 UG/L		U									
4,6-DINITRO-2-METHYLPHENOL				12 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				5 UG/L		U									
4-CHLORO-3-METHYLPHENOL				5 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				5 UG/L		U									
4-METHYLPHENOL				5 UG/L		U									
4-NITROANILINE				12 UG/L		U									
4-NITROPHENOL				12 UG/L		U									
ACENAPHTHENE				5 UG/L		U									
ACENAPHTHYLENE				5 UG/L		U									
ANTHRACENE				5 UG/L		U									
BENZO(A)ANTHRACENE				5 UG/L		U									
BENZO(A)PYRENE				5 UG/L		U									
BENZO(B)FLUORANTHENE				5 UG/L		U									
BENZO(G,H,I)PERYLENE				5 UG/L		U									
BENZO(K)FLUORANTHENE				5 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				5 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				5 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				5 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				5 UG/L		U									
BUTYL BENZYL PHTHALATE				5 UG/L		U									
CARBAZOLE				5 UG/L		U									
CHRYSENE				5 UG/L		U									
DI-N-BUTYL PHTHALATE				5 UG/L		U									
DI-N-OCTYL PHTHALATE				5 UG/L		U									
DIBENZO(A,H)ANTHRACENE				5 UG/L		U									
DIBENZOFURAN				5 UG/L		U									
DIETHYL PHTHALATE				5 UG/L		U									
DIMETHYL PHTHALATE				5 UG/L		U									
FLUORANTHENE				5 UG/L		U									
FLUORENE				5 UG/L		U									
HEXACHLOROBENZENE				5 UG/L		U									
HEXACHLOROBUTADIENE				5 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				5 UG/L		U									
HEXACHLOROETHANE				5 UG/L		U									
INDENO(1,2,3-CD)PYRENE				5 UG/L		U									

SAMPLE NUMBER:	003884			112008			112008			112008			113291		
LAB:	IT			IT			IT			IT/MWL			IT		
SUFFIX/FILTERFLAG:	U-UNF			NONE-UNF			RE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ISOPHORONE				5 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				5 UG/L		U									
N-NITROSODIPHENYLAMINE				5 UG/L		U									
NAPHTHALENE				5 UG/L		U									
NITROBENZENE				5 UG/L		U									
P-CHLOROANILINE				5 UG/L		U									
PENTACHLOROPHENOL				12 UG/L		U									
PHENANTHRENE				5 UG/L		U									
PHENOL				5 UG/L		U									
PYRENE				5 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		-			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		UJ			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		UJ			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			

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SAMPLE NUMBER:	003884			112008			112008			112008			113291		
LAB:	IT			IT			IT			IT/MWL			IT		
SUFFIX/FILTERFLAG:	U-UNF			NONE-UNF			RE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL ACETATE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003438	003438	003438	003438	003693
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2065	2065	2065	2065	2065
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-AUG-88	04-AUG-88	04-AUG-88	04-AUG-88	08-NOV-88
NORTH COORDINATE:	477866.51	477866.51	477866.51	477866.51	477866.51
EAST COORDINATE:	1380434.37	1380434.37	1380434.37	1380434.37	1380434.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	F-FIL	NONE-FIL	NONE-UNF	U-UNF	F-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		UJ						
CHLORIDE							14 MG/L		-						
FLUORIDE							.17 MG/L		-						
NITRATE							.1 MG/L		-						
PHENOLS							.02 MG/L		J						
PHOSPHORUS							.05 MG/L		U						
SULFATE							198 MG/L		-						
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
INORGANICS															
ARSENIC				.01 MG/L		U									
BARIUM				.2 MG/L		U									
CADMIUM				.005 MG/L		U									
CALCIUM				160 MG/L		-									
CHROMIUM				.01 MG/L		U									
COPPER				.03 MG/L		U									
IRON				.6 MG/L		-									
LEAD				.005 MG/L		U									
MAGNESIUM				46 MG/L		-									
MANGANESE				.51 MG/L		-									
MERCURY				.0003 MG/L		U									
MOLYBDENUM				.05 MG/L		U									
NICKEL				.04 MG/L		U									
POTASSIUM				5 MG/L		U									
SELENIUM				.005 MG/L		U									
SILVER				.01 MG/L		U									

SAMPLE NUMBER:	003438			003438			003438			003438			003693		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			NONE-FIL			NONE-UNF			U-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SODIUM				13 MG/L		-									
RADIONUCLIDES															
URANIUM-238	4.1 PCI/L	.6	J							4 PCI/L	.7	J	3.9 PCI/L	.8	J
URANIUM, TOTAL	10 UG/L	2	-							9 UG/L	1	-	12 UG/L	2	-
URANIUM-234	4.8 PCI/L	.7	J							4.6 PCI/L	.8	J	4.7 PCI/L	.9	J
THORIUM-230	1 PCI/L		UJ							1 PCI/L		UJ	1 PCI/L		UJ
RADIUM-226	1 PCI/L		R							1 PCI/L		R	1 PCI/L		U
URANIUM-235/236	1 PCI/L		UJ							1 PCI/L		UJ	1 PCI/L		UJ
THORIUM-232	1 PCI/L		UJ							1 PCI/L		UJ	1 PCI/L		UJ
THORIUM, TOTAL	10 UG/L		UJ							7 UG/L		UJ	5 UG/L		UJ
RADIUM-228	3 PCI/L		U							3 PCI/L		U	3 PCI/L		U
THORIUM-228	1 PCI/L		UJ							1 PCI/L		UJ	1 PCI/L		UJ
NEPTUNIUM-237	1 PCI/L		UJ							1 PCI/L		UJ	1 PCI/L		UJ
PLUTONIUM-239/240	1 PCI/L		UJ							1 PCI/L		UJ	1 PCI/L		UJ
PLUTONIUM-238	1 PCI/L		UJ							1 PCI/L		UJ	1 PCI/L		UJ
STRONTIUM-90	5 PCI/L		U							5 PCI/L		U	5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U							30 PCI/L		U	30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R							150 PCI/L		R	150 PCI/L		R
CESIUM-137	20 PCI/L		R							20 PCI/L		R	20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003693	003693	003693	004225	004225
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2065	2065	2065	2065	2065
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-NOV-88	08-NOV-88	08-NOV-88	09-APR-90	09-APR-90
NORTH COORDINATE:	477866.51	477866.51	477866.51	477866.51	477866.51
EAST COORDINATE:	1380434.37	1380434.37	1380434.37	1380434.37	1380434.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	U-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U							.1 MG/L		U
CHLORIDE				15.5 MG/L		-							8.51 MG/L		-
FLUORIDE				.1 MG/L		U							.11 MG/L		J
NITRATE				.1 MG/L		U							.17 MG/L		J
PHENOLS				.01 MG/L		U							.014 MG/L		-
PHOSPHORUS				.02 MG/L		U							.67 MG/L		-
SULFATE				133 MG/L		-							278 MG/L		J
SULFIDE													.5 MG/L		UJ
TOTAL KJELDAHL NITROGEN				.13 MG/L		U									
TOTAL ORGANIC HALIDES				.05 MG/L		U							.013 MG/L		UJ
TOTAL ORGANIC NITROGEN				.13 MG/L		-							.1 MG/L		U
INORGANICS															
ALUMINUM										.163 MG/L		J			
ARSENIC	.002 MG/L		U							.002 MG/L		U			
BARIUM	.06 MG/L		-							.0455 MG/L		J			
CADMIUM	.002 MG/L		U							.0068 MG/L		J			
CALCIUM	140 MG/L		-							170 MG/L		J			
CHROMIUM	.02 MG/L		U							.0516 MG/L		J			
COPPER	.01 MG/L		U							.01 MG/L		UJ			
IRON	.9 MG/L		-							.0787 MG/L		UJ			
LEAD	.004 MG/L		-							.0034 MG/L		-			
MAGNESIUM	39.4 MG/L		-							58.2 MG/L		J			
MANGANESE	.45 MG/L		-							.168 MG/L		J			
MERCURY	.0002 MG/L		U							.0002 MG/L		U			
MOLYBDENUM	.02 MG/L		U							.01 MG/L		UJ			

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SAMPLE NUMBER:	003693			003693			003693			004225			004225		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			U-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.02 MG/L		U							.02 MG/L		UJ			
POTASSIUM	2.63 MG/L		-							3.46 MG/L		J			
SELENIUM	.002 MG/L		U							.002 MG/L		U			
SILICON										5.15 MG/L		J			
SILVER	.1 MG/L		U							.0162 MG/L		J			
SODIUM	12.4 MG/L		-							14.9 MG/L		J			
VANADIUM										.0305 MG/L		J			
RADIONUCLIDES															
URANIUM-238							2.6 PCI/L	.5	J				3.78 PCI/L	.63	-
URANIUM, TOTAL							7 UG/L	1	-				11.4 UG/L	1.9	-
URANIUM-234							2.6 PCI/L	.5	J				3.89 PCI/L	.64	-
THORIUM-230							1 PCI/L		UJ				1 PCI/L		U
RADIUM-226							1 PCI/L		U				1 PCI/L		UJ
URANIUM-235/236							1 PCI/L		UJ				1 PCI/L		U
THORIUM-232							1 PCI/L		UJ				1 PCI/L		U
THORIUM, TOTAL							3 UG/L		UJ				4.5 UG/L		U
RADIUM-228							3 PCI/L		U				3 PCI/L		R
THORIUM-228							1 PCI/L		UJ				1 PCI/L		U
NEPTUNIUM-237							1 PCI/L		UJ				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		UJ				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		UJ				1 PCI/L		U
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		UJ
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_623	EMGW_SYSGEN_623	EMGW_SYSGEN_624	EMGW_SYSGEN_624	003095
TASK:	GWMON	GWMON	GWMON	GWMON	3.2.4
LAB:	IT	NET	IT	NET	IT
WELL OR BORING NUMBER:	2065	2065	2065	2065	2065
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-JUN-90	11-JUN-90	12-SEP-90	12-SEP-90	19-APR-88
NORTH COORDINATE:	477866.51	477866.51	477866.51	477866.51	477866.51
EAST COORDINATE:	1380434.37	1380434.37	1380434.37	1380434.37	1380434.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										310 MG/L		NV			
CHLORIDE				18 MG/L		NV				20 MG/L		NV			
FLUORIDE										.1 MG/L		NV			
NITRATE, AS NITROGEN				.02 MG/L		UNV				.06 MG/L		NV			
PH										7.21 SU		NV			
PHENOLS										.005 MG/L		UNV			
SPECIFIC CONDUCTIVITY										1060 UMHOS/CM		NV			
SULFATE				201 MG/L		NV				79 MG/L		NV			
TOTAL DISSOLVED SOLIDS										750 MG/L		NV			
TOTAL ORGANIC CARBON				36 MG/L		NV				11 MG/L		NV			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV				.01 MG/L		UNV			
INORGANICS															
ALUMINUM													.05 MG/L		U
ANTIMONY													.0005 MG/L		U
ARSENIC													.002 MG/L		U
BARIUM													.044 MG/L		R
BERYLLIUM													.001 MG/L		U
CADMIUM													.002 MG/L		U
CALCIUM													135 MG/L		-
CHROMIUM													.02 MG/L		R
COBALT													.01 MG/L		U
COPPER													.01 MG/L		R
IRON													.09 MG/L		U
LEAD													.002 MG/L		UJ
MAGNESIUM													42.8 MG/L		-

001483

6417

SAMPLE NUMBER:	EMGW_SYSGEN_623			EMGW_SYSGEN_623			EMGW_SYSGEN_624			EMGW_SYSGEN_624			003095		
LAB:	IT			NET			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE													.362 MG/L		-
MERCURY													.0002 MG/L		UJ
MOLYBDENUM													.02 MG/L		UJ
NICKEL													.02 MG/L		U
POTASSIUM													4.07 MG/L		-
SELENIUM													.002 MG/L		UJ
SILVER													.005 MG/L		UJ
SODIUM													13.8 MG/L		-
THALLIUM													.001 MG/L		UJ
VANADIUM													.017 MG/L		U
ZINC													.01 MG/L		U
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	3.39 PCI/L		NV				4.84 PCI/L		NV						
URANIUM, TOTAL	10.2 UG/L		NV				14.5 UG/L		NV						
URANIUM-234	2.57 PCI/L		NV				4.66 PCI/L		NV						
THORIUM-230	2.9 PCI/L		NV				.852 PCI/L		NV						
RADIUM-226	1 PCI/L		UNV				1.24 PCI/L		NV						
URANIUM-235/236	.31 PCI/L		UNV				.28 PCI/L		NV						
THORIUM-232	.925 PCI/L		NV				.39 PCI/L		UNV						
THORIUM, TOTAL	8.35 UG/L		NV				3.6 UG/L		UNV						
RADIUM-228	3.4 PCI/L		UNV				3 PCI/L		UNV						
THORIUM-228	1.85 PCI/L		NV				.793 PCI/L		NV						
GROSS ALPHA	27 PCI/L		UNV				31.3 PCI/L		NV						
GROSS BETA	24 PCI/L		UNV				15.4 PCI/L		NV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										60 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_623			EMGW_SYSGEN_623			EMGW_SYSGEN_624			EMGW_SYSGEN_624			003095		
LAB:	IT			NET			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROPROPANE				1 UG/L		UNV				1 UG/L		UNV			
2-BUTANONE				2 UG/L		UNV				2 UG/L		UNV			
2-HEXANONE				2 UG/L		UNV				2 UG/L		UNV			
4-METHYL-2-PENTANONE				2 UG/L		UNV				2 UG/L		UNV			
ACETONE				2 UG/L		UNV				2 UG/L		UNV			
BENZENE				1 UG/L		UNV				1 UG/L		UNV			
BROMODICHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
BROMOFORM				1 UG/L		UNV				1 UG/L		UNV			
BROMOMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CARBON DISULFIDE				1 UG/L		UNV				1 UG/L		UNV			
CARBON TETRACHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROBENZENE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM				1 UG/L		UNV				1 UG/L		UNV			
CHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
ETHYLBENZENE				1 UG/L		UNV				1 UG/L		UNV			
METHYLENE CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
STYRENE				1 UG/L		UNV				1 UG/L		UNV			
TETRACHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
TOLUENE				1 UG/L		UNV				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
TRICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
VINYL ACETATE				2 UG/L		UNV				2 UG/L		UNV			
VINYL CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
XYLENES, TOTAL				1 UG/L		UNV				1 UG/L		UNV			

001785

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003095			004163			004163			004168			004168		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2065			2065			2065			2065			2065		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-APR-88			30-JUL-89			30-JUL-89			30-JUL-89			30-JUL-89		
NORTH COORDINATE:	477866.51			477866.51			477866.51			477866.51			477866.51		
EAST COORDINATE:	1380434.37			1380434.37			1380434.37			1380434.37			1380434.37		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			DUPLICATE		
QC OF:										004163			004163		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.2 MG/L		J				.1 MG/L		U				.1 MG/L		U
CHLORIDE	13.2 MG/L		J				15 MG/L		-				11.9 MG/L		-
FLUORIDE	.27 MG/L		J				.14 MG/L		-				.14 MG/L		-
NITRATE	.15 MG/L		J				.145 MG/L		J				.174 MG/L		J
PHENOLS	.01 MG/L		R				.01 MG/L		U				.01 MG/L		U
PHOSPHORUS	.05 MG/L		R				.569 MG/L		-				.563 MG/L		-
SULFATE	165 MG/L		J				281 MG/L		-				292 MG/L		-
SULFIDE							.5 MG/L		UJ				.5 MG/L		UJ
TOTAL KJELDAHL NITROGEN							.409 MG/L		-				.452 MG/L		-
TOTAL ORGANIC CARBON							3.01 MG/L		-				1.47 MG/L		-
TOTAL ORGANIC HALIDES							.01 MG/L		U				.01 MG/L		U
TOTAL ORGANIC NITROGEN	.2 MG/L		J				.409 MG/L		-				.452 MG/L		-
INORGANICS															
ALUMINUM				.174 MG/L		-				.178 MG/L		-			
ARSENIC				.002 MG/L		UJ				.002 MG/L		UJ			
BARIUM				.05 MG/L		-				.048 MG/L		-			
CADMIUM				.008 MG/L		-				.008 MG/L		-			
CALCIUM				184 MG/L		-				183 MG/L		-			
CHROMIUM				.05 MG/L		-				.052 MG/L		-			
COPPER				.013 MG/L		-				.014 MG/L		-			
CYANIDE	.01 MG/L		U												
IRON				.111 MG/L		-				.073 MG/L		-			
LEAD				.002 MG/L		U				.004 MG/L		-			
MAGNESIUM				54.3 MG/L		-				54.3 MG/L		-			
MANGANESE				.326 MG/L		-				.277 MG/L		-			

SAMPLE NUMBER:	003095			004163			004163			004168			004168		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MERCURY				.0002 MG/L		UJ				.0002 MG/L		UJ			
MOLYBDENUM				.01 MG/L		U				.01 MG/L		U			
NICKEL				.02 MG/L		U				.02 MG/L		U			
POTASSIUM				2.85 MG/L		-				2.95 MG/L		-			
SELENIUM				.002 MG/L		U				.002 MG/L		U			
SILICON				5.35 MG/L		-				5.22 MG/L		-			
SILVER				.012 MG/L		-				.013 MG/L		-			
SODIUM				16.1 MG/L		-				15.6 MG/L		-			
VANADIUM				.026 MG/L		-				.026 MG/L		-			
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.5 UG/L		U												
AROCLOR-1016	.5 UG/L		U												
AROCLOR-1221	.5 UG/L		U												
AROCLOR-1232	.5 UG/L		U												
AROCLOR-1242	.5 UG/L		U												
AROCLOR-1248	.5 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.05 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.05 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.5 UG/L		U												
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	1 UG/L		U												
RADIONUCLIDES															

URANIUM-238	3.3 PCI/L	1	-				5.3 PCI/L	1	-				4 PCI/L	.7	-
SAMPLE NUMBER:	003095			004163			004163			004168			004168		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	3 UG/L	1	J				12 UG/L	2	-				11 UG/L	2	-
URANIUM-234	5.1 PCI/L	1.3	-				5.5 PCI/L	1	-				4.1 PCI/L	.7	-
THORIUM-230	1.2 PCI/L	.8	-				1.3 PCI/L		UJ				1.1 PCI/L		UJ
RADIUM-226	1 PCI/L		UJ				1 PCI/L		UJ				1 PCI/L		UJ
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM-232	1 PCI/L		U				1.3 PCI/L		UJ				1.1 PCI/L		UJ
THORIUM, TOTAL							12 UG/L		UJ				10 UG/L		UJ
RADIUM-228	3 PCI/L		UJ				3 PCI/L		U				3 PCI/L		U
THORIUM-228	1 PCI/L		U				1.3 PCI/L		UJ				1.1 PCI/L		UJ
NEPTUNIUM-237	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		UJ				150 PCI/L		UJ
CESIUM-137	20 PCI/L		R				20 PCI/L		UJ				20 PCI/L		UJ
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	50 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	50 UG/L		UJ												
2,4-DINITROTOLUENE	10 UG/L		U												
2,6-DINITROTOLUENE	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												
2-NITROANILINE	50 UG/L		U												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	20 UG/L		U												
3-NITROANILINE	50 UG/L		UJ												
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		U												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												

SAMPLE NUMBER:	003095			004163			004163			004168			004168		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	50 UG/L		UJ												
4-NITROPHENOL	50 UG/L		U												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		U												
BENZOIC ACID	50 UG/L		U												
BENZYL ALCOHOL	10 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		U												
DI-N-OCTYL PHTHALATE	10 UG/L		U												
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	20 UG/L		-												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		U												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U												
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		UJ												
PENTACHLOROPHENOL	50 UG/L		U												
PHENANTHRENE	10 UG/L		U												

SAMPLE NUMBER:	003095			004163			004163			004168			004168		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PHENOL	10 UG/L		U				.01 MG/L		U				.01 MG/L		U
PYRENE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U												
1,1,2-TRICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHENE	5 UG/L		U												
1,2-DICHLOROETHANE	5 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U												
1,2-DICHLOROPROPANE	5 UG/L		U												
2-BUTANONE	10 UG/L		R												
2-HEXANONE	10 UG/L		UJ												
4-METHYL-2-PENTANONE	10 UG/L		UJ												
ACETONE	5 UG/L		U												
BENZENE	5 UG/L		UJ												
BROMODICHLOROMETHANE	5 UG/L		U												
BROMOFORM	5 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	5 UG/L		U												
CARBON TETRACHLORIDE	5 UG/L		U												
CHLOROBENZENE	5 UG/L		UJ												
CHLOROETHANE	10 UG/L		UJ												
CHLOROFORM	5 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	5 UG/L		U												
DIBROMOCHLOROMETHANE	5 UG/L		U												
ETHYLBENZENE	5 UG/L		UJ												
METHYLENE CHLORIDE	5 UG/L		U												
STYRENE	5 UG/L		UJ												
TETRACHLOROETHENE	5 UG/L		U												
TOLUENE	5 UG/L		UJ												
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U												
TRICHLOROETHENE	5 UG/L		U												
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	5 UG/L		UJ												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_637	EMGW_SYSGEN_637	EMGW_SYSGEN_637	EMGW_SYSGEN_636	EMGW_SYSGEN_636
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	NET	WMCO	NET	NET
WELL OR BORING NUMBER:	2066	2066	2066	2066	2066
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-JAN-92	02-JAN-92	02-JAN-92	02-OCT-91	02-OCT-91
NORTH COORDINATE:	483938.95	483938.95	483938.95	483938.95	483938.95
EAST COORDINATE:	1376703.45	1376703.45	1376703.45	1376703.45	1376703.45
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				304 MG/L		NV							326 MG/L		NV
AMMONIA				4.05 MG/L		NV							3.86 MG/L		NV
CHLORIDE				67 MG/L		NV							65 MG/L		NV
FLUORIDE				.88 MG/L		NV							.84 MG/L		NV
NITRATE, AS NITROGEN				.02 MG/L		UNV							.02 MG/L		UNV
PH				7.43 SU		NV							7.38 SU		NV
PHENOLS				.005 MG/L		UNV							.005 MG/L		UNV
PHOSPHORUS				.12 MG/L		NV							.44 MG/L		NV
SPECIFIC CONDUCTIVITY				777 UMHOS/CM		NV							740 UMHOS/CM		NV
SULFATE				7 MG/L		NV							13 MG/L		NV
TOTAL DISSOLVED SOLIDS				379 MG/L		NV							414 MG/L		NV
TOTAL ORGANIC CARBON				13 MG/L		NV							8 MG/L		NV
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV							.021 MG/L		NV
INORGANICS															
ALUMINUM	.2 MG/L		UNV	.2 MG/L		UNV				.2 MG/L		UNV	.32 MG/L		NV
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV				.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC	.0233 MG/L		NV	.0234 MG/L		NV				.0213 MG/L		NV	.0331 MG/L		NV
BARIUM	.86 MG/L		NV	.84 MG/L		NV				.75 MG/L		NV	.83 MG/L		NV
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	68.9 MG/L		NV	74.9 MG/L		NV				69 MG/L		NV	76 MG/L		NV
CHROMIUM				.002 MG/L		UNV							.0035 MG/L		NV
COBALT	.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV
COPPER	.02 MG/L		UNV	.02 MG/L		UNV				.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE				.005 MG/L		UNV							.005 MG/L		UNV

001491

64117

SAMPLE NUMBER:	EMGW_SYSGEN_637			EMGW_SYSGEN_637			EMGW_SYSGEN_637			EMGW_SYSGEN_636			EMGW_SYSGEN_636		
LAB:	NET			NET			WMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	.46 MG/L		NV	1.71 MG/L		NV				1.4 MG/L		NV	2.7 MG/L		NV
LEAD	.003 MG/L		UNV	.003 MG/L		UNV				.003 MG/L		UNV	.003 MG/L		UNV
MAGNESIUM	26.7 MG/L		NV	27.4 MG/L		NV				27 MG/L		NV	28 MG/L		NV
MANGANESE	.026 MG/L		NV	.032 MG/L		NV				.027 MG/L		UNV	.015 MG/L		UNV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
NICKEL	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM	1.5 MG/L		NV	1.6 MG/L		NV				1.6 MG/L		NV	1.6 MG/L		NV
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	45 MG/L		NV	42.6 MG/L		NV				46 MG/L		NV	180 MG/L		NV
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.02 MG/L		UNV	.02 MG/L		UNV				.02 MG/L		NV	.046 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
RADIONUCLIDES															
URANIUM, TOTAL							.1 UG/L		UNV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV							10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1,2-TRICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROPROPANE				1 UG/L		UNV							1 UG/L		UNV
2-BUTANONE				2 UG/L		UNV							2 UG/L		UNV
2-HEXANONE				2 UG/L		UNV							2 UG/L		UNV
4-METHYL-2-PENTANONE				2 UG/L		UNV							2 UG/L		UNV
ACETONE				2 UG/L		UNV							10.7 UG/L		NV
BENZENE				1 UG/L		UNV							1 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_637			EMGW_SYSGEN_637			EMGW_SYSGEN_637			EMGW_SYSGEN_636			EMGW_SYSGEN_636		
LAB:	NET			NET			WMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
BROMOFORM				1 UG/L		UNV							1 UG/L		UNV
BROMOMETHANE				1 UG/L		UNV							1 UG/L		UNV
CARBON DISULFIDE				1 UG/L		UNV							1 UG/L		UNV
CARBON TETRACHLORIDE				1 UG/L		UNV							1 UG/L		UNV
CHLOROBENZENE				1 UG/L		UNV							1 UG/L		UNV
CHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
CHLOROFORM				1 UG/L		UNV							1 UG/L		UNV
CHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV							1 UG/L		UNV
DIBROMOCHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
ETHYLBENZENE				1 UG/L		UNV							1 UG/L		UNV
METHYLENE CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
STYRENE				1 UG/L		UNV							1 UG/L		UNV
TETRACHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
TOLUENE				1 UG/L		UNV							1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV							1 UG/L		UNV
TRICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
VINYL ACETATE				2 UG/L		UNV							2 UG/L		UNV
VINYL CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
XYLENES, TOTAL				1 UG/L		UNV							1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_636			EMGW_SYSGEN_630			EMGW_SYSGEN_630			EMGW_SYSGEN_630			GW930106-7		
TASK:	GWMON			GWMON			GWMON			GWMON			RCRA		
LAB:	WMCO			IT			NET			NET			CORE		
WELL OR BORING NUMBER:	2066			2066			2066			2066			2066		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-OCT-91			06-AUG-90			06-AUG-90			06-AUG-90			06-JAN-93		
NORTH COORDINATE:	483938.95			483938.95			483938.95			483938.95			483938.95		
EAST COORDINATE:	1376703.45			1376703.45			1376703.45			1376703.45			1376703.45		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE										68 MG/L		NV			
FLUORIDE										.68 MG/L		NV			
NITRATE, AS NITROGEN										.04 MG/L		NV			
PHENOLS										.005 MG/L		UNV			
SULFATE										8 MG/L		NV			
TOTAL ORGANIC CARBON										4 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ALUMINUM							.5 MG/L		UNV	.5 MG/L		UNV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.027 MG/L		NV	.027 MG/L		NV			
BARIUM							.774 MG/L		NV	.797 MG/L		NV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM							25.2 MG/L		NV	48.8 MG/L		NV			
CHROMIUM										.005 MG/L		UNV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.025 MG/L		UNV			
IRON							1.29 MG/L		NV	2.11 MG/L		NV			
LEAD							.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM							20.4 MG/L		NV	26.8 MG/L		NV			
MANGANESE							.033 MG/L		NV	.036 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV			
NICKEL							.005 MG/L		UNV	.005 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_636			EMGW_SYSGEN_630			EMGW_SYSGEN_630			EMGW_SYSGEN_630			GW930106-7		
LAB:	WMCO			IT			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM							2.04 MG/L		NV	2.78 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							48.4 MG/L		NV	60 MG/L		NV			
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.02 MG/L		UNV	.02 MG/L		UNV			
RADIONUCLIDES															
URANIUM-238				.28 PCI/L		NV									
URANIUM, TOTAL	.2 UG/L		NV	1 UG/L		UNV							.5 UG/L		UNV
URANIUM-234				.312 PCI/L		NV									
THORIUM-230				.5 PCI/L		UNV							.2 PCI/L	.1	UNV
RADIUM-226				1 PCI/L		UNV							1.1 PCI/L	.3	NV
URANIUM-235/236				.21 PCI/L		UNV									
THORIUM-232				.5 PCI/L		UNV							.2 PCI/L	.1	UNV
THORIUM, TOTAL				4.5 UG/L		UNV							1 UG/L		UNV
RADIUM-228				3 PCI/L		UNV							3 PCI/L	1.3	UNV
THORIUM-228				.5 PCI/L		UNV							.2 PCI/L	.1	UNV
GROSS ALPHA													1.6 PCI/L	1.9	NV
GROSS BETA													.6 PCI/L	1.8	NV
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_636			EMGW_SYSGEN_630			EMGW_SYSGEN_630			EMGW_SYSGEN_630			GW930106-7		
LAB:	WMCO			IT			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930106-7	GW930106-7	GW930106-7	066686	066687
TASK:	RCRA	RCRA	RCRA	9.27	9.27
LAB:	FERMCO Laboratory	NET	NET	IT	WMCO
WELL OR BORING NUMBER:	2066	2066	2066	2066	2066
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-JAN-93	06-JAN-93	06-JAN-93	06-NOV-89	06-NOV-89
NORTH COORDINATE:	483938.95	483938.95	483938.95	483938.95	483938.95
EAST COORDINATE:	1376703.45	1376703.45	1376703.45	1376703.45	1376703.45
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	F-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							307 MG/L		NV						
ALLYL CHLORIDE							5 UG/L		UNV						
AMMONIA							3.56 MG/L		NV						
BICARBONATE ALKALINITY							409 MG/L		NV						
CARBONATE ALKALINITY							3 MG/L		UNV						
CHLORIDE							69 MG/L		NV						
FLUORIDE							.91 MG/L		NV						
NITRATE							.02 MG/L		UNV						
NITRITE, AS NITROGEN							.02 MG/L		UNV						
PH							7.56 SU		NV						
PHENOLS							.01 MG/L		UNV						
PHOSPHORUS							.16 MG/L		NV						
SPECIFIC CONDUCTIVITY							845 UMHOS/CM		NV						
SULFATE							14 MG/L		NV						
TOTAL DISSOLVED SOLIDS				372 MG/L		NV									
TOTAL ORGANIC CARBON							4 MG/L		NV						
TOTAL ORGANIC HALIDES							.01 MG/L		UNV						
TOTAL SOLIDS							395 MG/L		NV						
INORGANICS															
ALUMINUM				.2 MG/L		UNV	.2 MG/L		UNV				.05 MG/L		UNV
ANTIMONY				.02 MG/L		UNV	.02 MG/L		UNV						
ARSENIC				.0249 MG/L		NV	.0284 MG/L		NV				.023 MG/L		NV
BARIUM				.8 MG/L		NV	.79 MG/L		NV				.844 MG/L		NV
BERYLLIUM				.005 MG/L		UNV	.005 MG/L		UNV				.01 MG/L		UNV
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV						

SAMPLE NUMBER:	GW930106-7			GW930106-7			GW930106-7			066686			066687		
LAB:	FERMCO Laboratory			NET			NET			IT			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				76 MG/L		NV	75 MG/L		NV				70.6 MG/L		NV
CHROMIUM				.002 MG/L		UNV	.002 MG/L		UNV				.005 MG/L		UNV
COBALT				.005 MG/L		UNV	.005 MG/L		UNV				.025 MG/L		UNV
COPPER				.02 MG/L		UNV	.02 MG/L		UNV				.025 MG/L		UNV
CYANIDE							.005 MG/L		UNV						
IRON				1.84 MG/L		NV	1.87 MG/L		NV				1.61 MG/L		NV
LEAD				.003 MG/L		UNV	.003 MG/L		UNV				.005 MG/L		UNV
MAGNESIUM				29.9 MG/L		NV	30.1 MG/L		NV				27.2 MG/L		NV
MANGANESE				.021 MG/L		NV	.025 MG/L		NV				.027 MG/L		NV
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM				.01 MG/L		UNV	.01 MG/L		UNV						
NICKEL				.01 MG/L		UNV	.01 MG/L		UNV				.005 MG/L		UNV
POTASSIUM							1.7 MG/L		NV						
SELENIUM				.005 MG/L		UNV	.005 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV
SODIUM							52 MG/L		NV				46.8 MG/L		NV
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV
ZINC				.032 MG/L		NV	.02 MG/L		UNV				.02 MG/L		UNV
MISC															
1,2,3-TRICHLOROPROPANE							5 UG/L		UNV						
1,2-DIBROMO-3-CHLOROPROPANE							2 UG/L		UNV						
1,2-DIBROMOETHANE							2 UG/L		UNV						
2-CHLORO-1,3-BUTADIENE							5 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACRYLONITRILE							50 UG/L		UNV						
DICHLORODIFLUOROMETHANE							10 UG/L		UNV						
ETHYL CYANIDE							20 UG/L		UNV						
ETHYL METHACRYLATE							5 UG/L		UNV						
IODOMETHANE							5 UG/L		UNV						
METHACRYLONITRILE							5 UG/L		UNV						
METHYL METHACRYLATE							5 UG/L		UNV						
PENTACHLOROETHANE							5 UG/L		UNV						
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
TRANS-1,4-DICHLORO-2-BUTENE							20 UG/L		UNV						

RADIONUCLIDES

URANIUM-238 1 PCI/L U
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930106-7			GW930106-7			GW930106-7			066686			066687		
LAB:	FERMCO Laboratory			NET			NET			IT			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	.1 UG/L		UNV							3 UG/L	1	J			
URANIUM-234										1 PCI/L		U			
THORIUM-230										1 PCI/L		U			
URANIUM-235/236										1 PCI/L		U			
THORIUM-228										1.99 PCI/L	.47	-			
TECHNETIUM-99										30 PCI/L		U			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
CUMENE							1 UG/L		UNV						
VOLATILES															
1,1,1,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							10 UG/L		UNV						
2-HEXANONE							10 UG/L		UNV						
4-METHYL-2-PENTANONE							10 UG/L		UNV						
ACETONE							10 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							5 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							10 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							10 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						

SAMPLE NUMBER:	GW930106-7			GW930106-7			GW930106-7			066686			066687		
LAB:	FERMCO Laboratory			NET			NET			IT			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							10 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
TRICHLOROFLUOROMETHANE							1 UG/L		UNV						
VINYL ACETATE							10 UG/L		UNV						
VINYL CHLORIDE							5 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066687			EMGW_SYSGEN_631			EMGW_SYSGEN_631			EMGW_SYSGEN_631			GW930407-14		
TASK:	9.27			GWMON			GWMON			GWMON			50.03.23		
LAB:	WMCO			IT			NET			NET			CORE		
WELL OR BORING NUMBER:	2066			2066			2066			2066			2066		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	06-NOV-89			06-NOV-90			06-NOV-90			06-NOV-90			07-APR-93		
NORTH COORDINATE:	483938.95			483938.95			483938.95			483938.95			483938.95		
EAST COORDINATE:	1376703.45			1376703.45			1376703.45			1376703.45			1376703.45		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										297 MG/L		NV			
AMMONIA										3.92 MG/L		NV			
CHLORIDE	69 MG/L		NV							67 MG/L		NV			
FLUORIDE	1.02 MG/L		NV							.5 MG/L		NV			
NITRATE	.03 MG/L		NV							.02 MG/L		UNV			
NITRATE/NITRITE										.02 MG/L		UNV			
PH	.018 MG/L		NV							7.29 SU		NV			
PHENOLS	.018 MG/L		NV							.005 MG/L		UNV			
PHOSPHORUS										.21 MG/L		NV			
SPECIFIC CONDUCTIVITY										816 UMHOS/CM		NV			
SULFATE	7 MG/L		NV							4 MG/L		NV			
TOTAL DISSOLVED SOLIDS										480 MG/L		NV			
TOTAL ORGANIC CARBON	4 MG/L		NV							9 MG/L		NV			
TOTAL ORGANIC HALIDES	.0139 MG/L		NV												
TOTAL ORGANIC HALOGENS										.029 MG/L		NV			
INORGANICS															
ALUMINUM	.339 MG/L		NV				.5 MG/L		UNV	.5 MG/L		UNV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC	.023 MG/L		NV				.027 MG/L		NV	.031 MG/L		NV			
BARIUM	.895 MG/L		NV				.758 MG/L		NV	.784 MG/L		NV			
BERYLLIUM	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM	84.5 MG/L		NV				56.7 MG/L		NV	69.8 MG/L		NV			
CHROMIUM	.01 MG/L		NV							.005 MG/L		UNV			
COBALT	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV			

SAMPLE NUMBER:	066687			EMGW_SYSGEN_631			EMGW_SYSGEN_631			EMGW_SYSGEN_631			GW930407-14		
LAB:	WMCO			IT			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV			
CYANIDE										.005 MG/L		UNV			
IRON	2.1 MG/L		NV				1.35 MG/L		NV	2.19 MG/L		NV			
LEAD	.005 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM	34 MG/L		NV				18 MG/L		NV	30 MG/L		NV			
MANGANESE	.037 MG/L		NV				.024 MG/L		NV	.038 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV			
NICKEL	.005 MG/L		UNV				.005 MG/L		UNV	.006 MG/L		NV			
POTASSIUM							1.87 MG/L		NV	1.99 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM	40 MG/L		NV				52.6 MG/L		NV	51.7 MG/L		NV			
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV			
ZINC	.02 MG/L		UNV				.02 MG/L		UNV	.02 MG/L		UNV			
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				.32 PCI/L		UNV							.4 PCI/L	.2	R
URANIUM, TOTAL				.221 UG/L		NV							.6 UG/L	.1	-
URANIUM-234				.32 PCI/L		UNV							.4 PCI/L	.2	R
THORIUM-230				.994 PCI/L		NV							.3 PCI/L	.2	U
RADIUM-226				1 PCI/L		UNV							1 PCI/L	.4	R
URANIUM-235/236				.32 PCI/L		UNV							.1 PCI/L	.1	R
THORIUM-232				.3 PCI/L		UNV							.2 PCI/L	.1	U
THORIUM, TOTAL				2.7 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV							3 PCI/L	1.1	U
THORIUM-228				.316 PCI/L		NV							.2 PCI/L	.2	UJ
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
TECHNETIUM-99				18 PCI/L		UNV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				6 PCI/L		UNV									
GROSS ALPHA				5.6 PCI/L		UNV							3 PCI/L	1.8	NV
GROSS BETA				4.45 PCI/L		NV							4.9 PCI/L	1.7	NV

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066687			EMGW_SYSGEN_631			EMGW_SYSGEN_631			EMGW_SYSGEN_631			GW930407-14		
LAB:	WMCO			IT			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE	2.5 UG/L		UNV							1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE	2.5 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE	2.5 UG/L		UNV							2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE	2.5 UG/L		UNV							1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE	2.5 UG/L		UNV							1 UG/L		UNV			
TOLUENE	2.5 UG/L		UNV							1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE	2.5 UG/L		UNV							1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930407-14	GW930407-14	GW930407-14	GW930407-14	GW930407-14
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	FERMCO	FERMCO	LOCKHEED	LOCKHEED
WELL OR BORING NUMBER:	2066	2066	2066	2066	2066
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-APR-93	07-APR-93	07-APR-93	07-APR-93	07-APR-93
NORTH COORDINATE:	483938.95	483938.95	483938.95	483938.95	483938.95
EAST COORDINATE:	1376703.45	1376703.45	1376703.45	1376703.45	1376703.45
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													350 MG/L		-
AMMONIA													4.2 MG/L		-
BICARBONATE ALKALINITY													340 MG/L		-
CARBONATE ALKALINITY													30 MG/L		U
CHLORIDE													69 MG/L		-
FLUORIDE													.94 MG/L		-
NITRATE/NITRITE													.05 MG/L		U
PH													7.5 SU		-
PHENOLS													.15 MG/L		U
PHOSPHORUS													.044 MG/L		-
SPECIFIC CONDUCTIVITY													680 UMHOS/CM		-
SULFATE													.062 MG/L		-
TOTAL DISSOLVED SOLIDS										440 MG/L		-			
TOTAL ORGANIC CARBON													4 MG/L		-
TOTAL ORGANIC HALIDES													.072 MG/L		-
TOTAL ORGANIC NITROGEN													.02 MG/L		-
TOTAL SOLIDS													390 MG/L		-
INORGANICS															
ALUMINUM										.036 MG/L		U	.036 MG/L		U
ANTIMONY										.0439 MG/L		J	.031 MG/L		UJ
ARSENIC										.0288 MG/L		-	.0294 MG/L		-
BARIUM										.82 MG/L		-	.768 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.003 MG/L		U	.003 MG/L		U
CALCIUM										82.5 MG/L		-	78 MG/L		-

SAMPLE NUMBER:	GW930407-14			GW930407-14			GW930407-14			GW930407-14			GW930407-14		
LAB:	CORE			FERMCO			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM										.003 MG/L		U	.003 MG/L		U
COBALT										.009 MG/L		U	.009 MG/L		U
COPPER										.005 MG/L		U	.005 MG/L		U
CYANIDE										.00002 MG/L		U	.00002 MG/L		U
IRON										2.1 MG/L		-	2.07 MG/L		-
LEAD										.002 MG/L		U	.002 MG/L		J
MAGNESIUM										31.5 MG/L		-	30.1 MG/L		-
MANGANESE										.0297 MG/L		-	.0272 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.031 MG/L		U	.031 MG/L		U
POTASSIUM										1.16 MG/L		-	1.41 MG/L		-
SELENIUM										.002 MG/L		UJ	.002 MG/L		UJ
SILVER										.003 MG/L		U	.003 MG/L		U
SODIUM										51 MG/L		-	46.6 MG/L		-
THALLIUM										.003 MG/L		UJ	.003 MG/L		U
VANADIUM										.007 MG/L		U	.007 MG/L		U
ZINC										.002 MG/L		U	.0034 MG/L		U
RADIONUCLIDES															
URANIUM-238	.4 PCI/L	.2	UJ												
URANIUM, TOTAL	.1 UG/L	.1	U	.2 UG/L		UNV	.1 UG/L		UNV						
URANIUM-234	.6 PCI/L	.3	J												
THORIUM-230	.2 PCI/L	.1	UJ												
RADIUM-226	1.4 PCI/L	.4	J												
URANIUM-235/236	.2 PCI/L	.2	UJ												
THORIUM-232	.2 PCI/L	.1	UJ												
RADIUM-228	3 PCI/L	.9	U												
THORIUM-228	.2 PCI/L	.1	UJ												
GROSS ALPHA	4.1 PCI/L	1.6	NV												
GROSS BETA	0 PCI/L	2.1	UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		

SAMPLE NUMBER:	GW930407-14			GW930407-14			GW930407-14			GW930407-14			GW930407-14		
LAB:	CORE			FERMCO			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		U
BENZENE													10 UG/L		UJ
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		UJ
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		UJ
CHLOROETHANE													10 UG/L		UJ
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		UJ
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		UJ
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		UJ
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003443	003443	066498	066498	003710
TASK:	3.2.4	3.2.4	9.25	9.25	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2066	2066	2066	2066	2066
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-AUG-88	07-AUG-88	09-AUG-89	09-AUG-89	10-NOV-88
NORTH COORDINATE:	483938.95	483938.95	483938.95	483938.95	483938.95
EAST COORDINATE:	1376703.45	1376703.45	1376703.45	1376703.45	1376703.45
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				3.8 MG/L		NV									
CHLORIDE				68 MG/L		NV				56.5 MG/L		-			
FLUORIDE				.9 MG/L		NV				.88 MG/L		-			
NITRATE				2.5 MG/L		NV				.1 MG/L		R			
PHENOLS				.01 MG/L		UNV									
PHOSPHATE				.1 MG/L		NV									
SULFATE				1.5 MG/L		UNV				13.4 MG/L		-			
TOTAL ORGANIC CARBON										1.65 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN				.1 MG/L		R									
INORGANICS															
ALUMINUM							.143 MG/L		-						
ARSENIC	.03 MG/L		R										.042 MG/L		J
BARIUM	.8 MG/L		R				.789 MG/L		-				.668 MG/L		-
BERYLLIUM							.001 MG/L		-						
CADMIUM	.005 MG/L		R										.002 MG/L		U
CALCIUM	73 MG/L		R				81.7 MG/L		-				65.7 MG/L		-
CHROMIUM	.01 MG/L		R				.022 MG/L		-				.02 MG/L		U
COBALT							.01 MG/L		U						
COPPER	.03 MG/L		R				.01 MG/L		U				.01 MG/L		U
IRON	1.7 MG/L		R				.506 MG/L		-				1.703 MG/L		-
LEAD	.005 MG/L		R				.005 MG/L		-				.015 MG/L		R
MAGNESIUM	24 MG/L		R				31.3 MG/L		-				26 MG/L		-
MANGANESE	.06 MG/L		R										.036 MG/L		-
MERCURY				.0002 MG/L		R							.0002 MG/L		U

SAMPLE NUMBER:	003443			003443			066498			066498			003710		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.05 MG/L		R										.02 MG/L		U
NICKEL	.04 MG/L		R				.02 MG/L		U				.02 MG/L		U
POTASSIUM	5 MG/L		R										1.23 MG/L		-
SELENIUM	.005 MG/L		R										.016 MG/L		R
SILVER	.01 MG/L		R				.01 MG/L		U				.01 MG/L		U
SODIUM	48 MG/L		R										42.7 MG/L		-
VANADIUM							.016 MG/L		-						
ZINC							.052 MG/L		-						
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U									
URANIUM, TOTAL				1 UG/L		U									
URANIUM-234				1 PCI/L		U									
THORIUM-230				1 PCI/L		U									
RADIUM-226				1 PCI/L		R									
URANIUM-235/236				1 PCI/L		U									
THORIUM-232				1 PCI/L		U									
THORIUM, TOTAL				3 UG/L		U									
RADIUM-228				3 PCI/L		U									
THORIUM-228				1 PCI/L		U									
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
VOLATILES															
1,1-DICHLOROETHANE										5 UG/L		U			
ACETONE										6 UG/L		J			
METHYLENE CHLORIDE										8 UG/L		U			
TETRACHLOROETHENE										5 UG/L		U			
TOLUENE										5 UG/L		UJ			
TRICHLOROETHENE										5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003710	003894	003894	EMGW_SYSGEN_629	EMGW_SYSGEN_629
TASK:	3.2.4	3.2.4	3.2.4	GWMON	GWMON
LAB:	IT	IT	IT	IT	NET
WELL OR BORING NUMBER:	2066	2066	2066	2066	2066
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-NOV-88	14-MAR-89	14-MAR-89	16-MAY-90	16-MAY-90
NORTH COORDINATE:	483938.95	483938.95	483938.95	483938.95	483938.95
EAST COORDINATE:	1376703.45	1376703.45	1376703.45	1376703.45	1376703.45
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	4.22 MG/L		J				4.2 MG/L		J						
CHLORIDE	64 MG/L		-				69 MG/L		J						
FLUORIDE	.78 MG/L		J				1 MG/L		J						
NITRATE	.1 MG/L		R				.02 MG/L		R						
PHENOLS	.01 MG/L		U				.008 MG/L		J						
PHOSPHORUS	.02 MG/L		U				.18 MG/L		J						
SULFATE	133 MG/L		-				2 MG/L		UJ						
TOTAL KJELDAHL NITROGEN	4.74 MG/L		J				4 MG/L		J						
TOTAL ORGANIC HALIDES	.05 MG/L		U				.05 MG/L		UJ						
TOTAL ORGANIC NITROGEN	.52 MG/L		J												
INORGANICS															
ALUMINUM													.05 MG/L		UNV
ANTIMONY													.025 MG/L		UNV
ARSENIC				.021 MG/L		J							.024 MG/L		NV
BARIUM				.7 MG/L		J							.668 MG/L		NV
BERYLLIUM													.01 MG/L		UNV
CADMIUM				.005 MG/L		UJ							.001 MG/L		UNV
CALCIUM				78 MG/L		J							81.1 MG/L		NV
CHROMIUM				.02 MG/L		J									
COBALT													.025 MG/L		UNV
COPPER				.01 MG/L		UJ							.025 MG/L		UNV
IRON				1.6 MG/L		J							.729 MG/L		NV
LEAD				.009 MG/L		J							.005 MG/L		UNV
MAGNESIUM				28 MG/L		J							1.9 MG/L		NV
MANGANESE				.04 MG/L		J							.035 MG/L		NV

001509

6417

SAMPLE NUMBER:	003710			003894			003894			EMGW_SYSGEN_629			EMGW_SYSGEN_629		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MERCURY				.0002 MG/L		UJ							.0002 MG/L		UNV
MOLYBDENUM				.02 MG/L		J							.025 MG/L		UNV
NICKEL				.03 MG/L		UJ							.005 MG/L		UNV
POTASSIUM				1.6 MG/L		J							2.01 MG/L		NV
SELENIUM				.005 MG/L		UJ							.0025 MG/L		UNV
SILVER				.01 MG/L		UJ							.001 MG/L		UNV
SODIUM				47 MG/L		J							50.9 MG/L		NV
THALLIUM													.01 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1 PCI/L		U	.2 PCI/L		UNV			
URANIUM, TOTAL	1 UG/L		U				.4 UG/L	.1	J	1 UG/L		UNV			
URANIUM-234	1 PCI/L		U				1 PCI/L		U	.2 PCI/L		UNV			
THORIUM-230	1 PCI/L		U				1 PCI/L		UJ	.702 PCI/L		NV			
RADIUM-226	1 PCI/L		U				1 PCI/L		UJ	1 PCI/L		UNV			
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U	.2 PCI/L		UNV			
THORIUM-232	1 PCI/L		U				1 PCI/L		UJ	.29 PCI/L		UNV			
THORIUM, TOTAL	4 UG/L		U				7 UG/L		UJ	2.6 UG/L		UNV			
RADIUM-228	3 PCI/L		U				3 PCI/L		UJ	3 PCI/L		UNV			
THORIUM-228	1 PCI/L		U				1 PCI/L		UJ	.383 PCI/L		NV			
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		UJ	.5 PCI/L		UNV			
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		UJ	.5 PCI/L		UNV			
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		UJ	.5 PCI/L		UNV			
STRONTIUM-90	5 PCI/L		U				5 PCI/L		UJ	1 PCI/L		UNV			
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		UJ	27 PCI/L		UNV			
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R	150 PCI/L		UNV			
CESIUM-137	20 PCI/L		R				20 PCI/L		R	9 PCI/L		UNV			
GROSS ALPHA										12.7 PCI/L		NV			
GROSS BETA										26 PCI/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_629			EMGW_SYSGEN_635			EMGW_SYSGEN_635			EMGW_SYSGEN_635			EMGW_SYSGEN_628		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			NET			NET			WMCO			IT		
WELL OR BORING NUMBER:	2066			2066			2066			2066			2066		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-MAY-90			17-JUL-91			17-JUL-91			17-JUL-91			22-FEB-90		
NORTH COORDINATE:	483938.95			483938.95			483938.95			483938.95			483938.95		
EAST COORDINATE:	1376703.45			1376703.45			1376703.45			1376703.45			1376703.45		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							319 MG/L		NV						
AMMONIA							3.75 MG/L		NV						
CHLORIDE	67 MG/L		NV				68 MG/L		NV						
FLUORIDE	.78 MG/L		NV				.9 MG/L		NV						
NITRATE, AS NITROGEN	.02 MG/L		NV				.02 MG/L		NV						
PH	4 UG/L		UNV				7.42 SU		NV						
PHENOLS	.005 MG/L		UNV				.005 MG/L		UNV						
PHOSPHORUS							.31 MG/L		NV						
SPECIFIC CONDUCTIVITY							767 UMHOS/CM		NV						
SULFATE	7 MG/L		NV				10 MG/L		NV						
TOTAL DISSOLVED SOLIDS							394 MG/L		NV						
TOTAL ORGANIC CARBON	9 MG/L		NV				6 MG/L		NV						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.01 MG/L		UNV						
INORGANICS															
ALUMINUM	.053 MG/L		NV	.2 MG/L		UNV	.2 MG/L		NV						
ANTIMONY	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV						
ARSENIC	.027 MG/L		NV	.022 MG/L		NV	.0181 MG/L		NV						
BARIUM	.81 MG/L		NV	.82 MG/L		NV	.89 MG/L		NV						
BERYLLIUM	.01 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV						
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV						
CALCIUM	72.9 MG/L		NV	66 MG/L		NV	66 MG/L		NV						
CHROMIUM	.005 MG/L		UNV				.0032 MG/L		NV						
COBALT	.025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV						
COPPER	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV						
CYANIDE	.005 MG/L		UNV				.005 MG/L		UNV						

001511

6412

SAMPLE NUMBER:	EMGW_SYSGEN_629			EMGW_SYSGEN_635			EMGW_SYSGEN_635			EMGW_SYSGEN_635			EMGW_SYSGEN_628		
LAB:	NET			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	1.61 MG/L		NV	1.79 MG/L		NV	1.99 MG/L		NV						
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV						
MAGNESIUM	28.2 MG/L		NV	29 MG/L		NV	31 MG/L		NV						
MANGANESE	.033 MG/L		NV	.044 MG/L		NV	.032 MG/L		NV						
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM	.025 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV						
NICKEL	.005 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV						
POTASSIUM	1.69 MG/L		NV	1.8 MG/L		NV	1.8 MG/L		NV						
SELENIUM	.0025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV						
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM	51.9 MG/L		NV	53 MG/L		NV	56 MG/L		NV						
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV						
ZINC	.02 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV						
MISC															
3-METHYLPHENOL	4 UG/L		UNV												
DIPHENYLAMINE	15 UG/L		UNV												
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
PESTICIDES															
4,4'-DDD	.2 UG/L		UNV												
4,4'-DDE	.2 UG/L		UNV												
4,4'-DDT	.2 UG/L		UNV												
ALDRIN	.2 UG/L		UNV												
ALPHA-BHC	.2 UG/L		UNV												
AROCLOR-1016	.2 UG/L		UNV												
AROCLOR-1221	.2 UG/L		UNV												
AROCLOR-1232	.2 UG/L		UNV												
AROCLOR-1242	.2 UG/L		UNV												
AROCLOR-1248	.2 UG/L		UNV												
AROCLOR-1254	.2 UG/L		UNV												
AROCLOR-1260	.2 UG/L		UNV												
BETA-BHC	.2 UG/L		UNV												
CHLORDANE	.2 UG/L		UNV												
DELTA-BHC	.2 UG/L		UNV												
DIELDRIN	.2 UG/L		UNV												
ENDOSULFAN II	.2 UG/L		UNV												
ENDOSULFAN SULFATE	.2 UG/L		UNV												
ENDOSULFAN-I	.2 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_629			EMGW_SYSGEN_635			EMGW_SYSGEN_635			EMGW_SYSGEN_635			EMGW_SYSGEN_628		
LAB:	NET			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDRIN	.08 UG/L		UNV												
ENDRIN ALDEHYDE	.2 UG/L		UNV												
GAMMA-BHC (LINDANE)	.2 UG/L		UNV												
HEPTACHLOR	.2 UG/L		UNV												
HEPTACHLOR EPOXIDE	.2 UG/L		UNV												
TOXAPHENE	.5 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238													1 PCI/L		UNV
URANIUM, TOTAL										.5 UG/L		NV	1 UG/L		NV
URANIUM-234													1 PCI/L		UNV
THORIUM-230													1 PCI/L		UNV
THORIUM-228													1 PCI/L		UNV
TECHNETIUM-99													15 PCI/L		UNV
URANIUM-235													1 PCI/L		UNV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	4 UG/L		UNV												
1,3-DICHLOROBENZENE	4 UG/L		UNV												
1,4-DICHLOROBENZENE	4 UG/L		UNV												
2,4,5-TRICHLOROPHENOL	4 UG/L		UNV												
2,4,6-TRICHLOROPHENOL	4 UG/L		UNV												
2,4-DICHLOROPHENOL	4 UG/L		UNV												
2,4-DIMETHYLPHENOL	4 UG/L		UNV												
2,4-DINITROPHENOL	4 UG/L		UNV												
2,4-DINITROTOLUENE	15 UG/L		UNV												
2,6-DINITROTOLUENE	15 UG/L		UNV												
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
2-CHLORONAPHTHALENE	4 UG/L		UNV												
2-CHLOROPHENOL	4 UG/L		UNV												
2-METHYLPHENOL	4 UG/L		UNV												
2-NITROANILINE	15 UG/L		UNV												
2-NITROPHENOL	4 UG/L		UNV												
3,3'-DICHLOROBENZIDINE	15 UG/L		UNV												
3-NITROANILINE	15 UG/L		UNV												
4,6-DINITRO-2-METHYLPHENOL	4 UG/L		UNV												
4-BROMOPHENYL PHENYL ETHER	15 UG/L		UNV												
4-CHLORO-3-METHYLPHENOL	4 UG/L		UNV												
4-CHLOROPHENYLPHENYL ETHER	15 UG/L		UNV												
4-NITROANILINE	15 UG/L		UNV												

001513

SAMPLE NUMBER:	EMGW_SYSGEN_629			EMGW_SYSGEN_635			EMGW_SYSGEN_635			EMGW_SYSGEN_635			EMGW_SYSGEN_628		
LAB:	NET			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-NITROPHENOL	4 UG/L		UNV												
ACENAPHTHYLENE	4 UG/L		UNV												
ANTHRACENE	4 UG/L		UNV												
BENZO(A)ANTHRACENE	4 UG/L		UNV												
BENZO(A)PYRENE	4 UG/L		UNV												
BENZO(B)FLUORANTHENE	4 UG/L		UNV												
BENZO(G,H,I)PERYLENE	4 UG/L		UNV												
BENZO(K)FLUORANTHENE	4 UG/L		UNV												
BENZOIC ACID	4 UG/L		UNV												
BENZYL ALCOHOL	40 UG/L		UNV												
BIS(2-CHLOROETHOXY)METHANE	15 UG/L		UNV												
BIS(2-CHLOROETHYL)ETHER	15 UG/L		UNV												
BIS(2-CHLOROISOPROPYL) ETHER	15 UG/L		UNV												
BIS(2-ETHYLHEXYL)PHTHALATE	4 UG/L		UNV												
BUTYL BENZYL PHTHALATE	4 UG/L		UNV												
CHRYSENE	4 UG/L		UNV												
DI-N-BUTYL PHTHALATE	4 UG/L		UNV												
DIBENZO(A,H)ANTHRACENE	4 UG/L		UNV												
DIBENZOFURAN	4 UG/L		UNV												
DIETHYL PHTHALATE	4 UG/L		UNV												
DIMETHYL PHTHALATE	4 UG/L		UNV												
FLUORANTHENE	4 UG/L		UNV												
FLUORENE	4 UG/L		UNV												
HEXACHLOROBENZENE	4 UG/L		UNV												
HEXACHLOROBUTADIENE	4 UG/L		UNV												
HEXACHLOROCYCLOPENTADIENE	4 UG/L		UNV												
HEXACHLOROETHANE	4 UG/L		UNV												
INDENO(1,2,3-CD)PYRENE	4 UG/L		UNV												
ISOPHORONE	4 UG/L		UNV												
N-NITROSO-DI-N-PROPYLAMINE	4 UG/L		UNV												
N-NITROSODIPHENYLAMINE	4 UG/L		UNV												
NAPHTHALENE	4 UG/L		UNV												
NITROBENZENE	4 UG/L		UNV												
P-CHLOROANILINE	4 UG/L		UNV												
PENTACHLOROPHENOL	4 UG/L		UNV												
PHENANTHRENE	4 UG/L		UNV												
PHENOL	4 UG/L		UNV				.005 MG/L		UNV						
PYRENE	4 UG/L		UNV												
PYRIDINE	4 UG/L		UNV												

VOLATILES

1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV									
SAMPLE NUMBER:	EMGW_SYSGEN_629			EMGW_SYSGEN_635			EMGW_SYSGEN_635			EMGW_SYSGEN_635			EMGW_SYSGEN_628					
LAB:	NET			NET			NET			WMCO			IT					
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF					
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)			
VOLATILES																		
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV									
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV									
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV									
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				1 UG/L		UNV									
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV									
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV									
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV									
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV									
ACETONE	2 UG/L		UNV				2 UG/L		UNV									
BENZENE	1 UG/L		UNV				1 UG/L		UNV									
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV									
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV									
BROMOMETHANE	1 UG/L		UNV				1 UG/L		UNV									
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV									
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV									
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV									
CHLOROETHANE							1 UG/L		UNV									
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV									
CHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV									
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV									
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV									
METHYLENE CHLORIDE	1 UG/L		UNV				1 UG/L		UNV									
STYRENE	1 UG/L		UNV				1 UG/L		UNV									
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV									
TOLUENE	1 UG/L		UNV				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV									
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV									
VINYL ACETATE	2 UG/L		UNV				2 UG/L		UNV									
VINYL CHLORIDE	1 UG/L		UNV				1 UG/L		UNV									
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_628			EMGW_SYSGEN_628			EMGW_SYSGEN_628			EMGW_SYSGEN_632			EMGW_SYSGEN_632D		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			NET			WMCO			IT			IT		
WELL OR BORING NUMBER:	2066			2066			2066			2066			2066		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-FEB-90			22-FEB-90			22-FEB-90			25-FEB-91			25-FEB-91		
NORTH COORDINATE:	483938.95			483938.95			483938.95			483938.95			483938.95		
EAST COORDINATE:	1376703.45			1376703.45			1376703.45			1376703.45			1376703.45		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													EMGW_SYSGEN_632		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE				67 MG/L		NV									
FLUORIDE				.63 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		NV									
PHENOLS				.011 MG/L		NV									
SULFATE				7 MG/L		NV									
TOTAL ORGANIC CARBON				4 MG/L		NV									
TOTAL ORGANIC HALOGENS				.034 MG/L		NV									
INORGANICS															
ALUMINUM	.05 MG/L		UNV	.05 MG/L		UNV									
ARSENIC	.019 MG/L		NV	.025 MG/L		NV									
BARIUM	.788 MG/L		NV	.805 MG/L		NV									
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
CALCIUM	70.6 MG/L		NV	74.9 MG/L		NV									
CHROMIUM				.005 MG/L		UNV									
COBALT	.025 MG/L		UNV	.025 MG/L		UNV									
COPPER	.025 MG/L		UNV	.025 MG/L		UNV									
IRON	.38 MG/L		NV	1.84 MG/L		NV									
LEAD	.005 MG/L		UNV	.005 MG/L		UNV									
MAGNESIUM	26.5 MG/L		NV	27.3 MG/L		NV									
MANGANESE	.03 MG/L		NV	.037 MG/L		NV									
NICKEL	.005 MG/L		UNV	.005 MG/L		UNV									
SILVER	.001 MG/L		UNV	.001 MG/L		UNV									
SODIUM	60.8 MG/L		NV	76.7 MG/L		NV									
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV									
ZINC	.02 MG/L		UNV	.02 MG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_628			EMGW_SYSGEN_628			EMGW_SYSGEN_628			EMGW_SYSGEN_632			EMGW_SYSGEN_632D		
LAB:	NET			NET			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238										.39 PCI/L		UNV	.2 PCI/L		UNV
URANIUM, TOTAL							3.15 UG/L		NV	.4 UG/L		UNV	.4 UG/L		UNV
URANIUM-234										.39 PCI/L		UNV	.2 PCI/L		UNV
THORIUM-230										.885 PCI/L		NV	.2 PCI/L		UNV
RADIUM-226										1 PCI/L		UNV	1 PCI/L		UNV
URANIUM-235/236										.39 PCI/L		UNV	.2 PCI/L		UNV
THORIUM-232										.347 PCI/L		NV	.2 PCI/L		UNV
THORIUM, TOTAL										3.13 UG/L		NV	1.6 UG/L		UNV
RADIUM-228										3 PCI/L		UNV	3 PCI/L		UNV
THORIUM-228										.841 PCI/L		NV	.2 PCI/L		UNV
NEPTUNIUM-237										.5 PCI/L		UNV	.5 PCI/L		UNV
PLUTONIUM-239/240										.5 PCI/L		UNV	.5 PCI/L		UNV
PLUTONIUM-238										.5 PCI/L		UNV	.5 PCI/L		UNV
TECHNETIUM-99										22 PCI/L		UNV	19 PCI/L		UNV
RUTHENIUM-106										150 PCI/L		UNV	150 PCI/L		UNV
CESIUM-137										6.5 PCI/L		UNV	6.1 PCI/L		UNV
GROSS ALPHA										7.8 PCI/L		UNV	10 PCI/L		UNV
GROSS BETA										6.1 PCI/L		UNV	7.9 PCI/L		NV
VOLATILES															
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
ACETONE				2 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									

SAMPLE NUMBER:	003124	003124	EMGW_SYSGEN_633	EMGW_SYSGEN_633	EMGW_SYSGEN_633D
TASK:	3.2.4	3.2.4	GWMON	GWMON	GWMON
LAB:	IT	IT	NET	NET	NET
WELL OR BORING NUMBER:	2066	2066	2066	2066	2066
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-APR-88	26-APR-88	26-FEB-91	26-FEB-91	26-FEB-91
NORTH COORDINATE:	483938.95	483938.95	483938.95	483938.95	483938.95
EAST COORDINATE:	1376703.45	1376703.45	1376703.45	1376703.45	1376703.45
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					EMGW_SYSGEN_633
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										317 MG/L		NV			
AMMONIA				4.1 MG/L		-				3.84 MG/L		NV			
CHLORIDE				96 MG/L		-				66 MG/L		NV			
FLUORIDE				.94 MG/L		-				.92 MG/L		NV			
NITRATE				.1 MG/L		U				.02 MG/L		UNV			
NITRATE, AS NITROGEN										.02 MG/L		UNV			
PH				.01 MG/L		-				7.29 SU		NV			
PHENOLS				.01 MG/L		-				.005 MG/L		UNV			
PHOSPHORUS				.125 MG/L		-				.19 MG/L		NV			
SPECIFIC CONDUCTIVITY										779 UMHOS/CM		NV			
SULFATE				2 MG/L		U				11 MG/L		NV			
TOTAL DISSOLVED SOLIDS										396 MG/L		NV			
TOTAL ORGANIC CARBON										14 MG/L		NV			
TOTAL ORGANIC HALOGENS										.019 MG/L		NV			
TOTAL ORGANIC NITROGEN				.4 MG/L		-									
INORGANICS															
ALUMINUM							.5 MG/L		UNV	.59 MG/L		NV	.5 MG/L		UNV
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC	.2 MG/L		U				.023 MG/L		NV	.027 MG/L		NV	.023 MG/L		NV
BARIUM	.758 MG/L		-				.79 MG/L		NV	.814 MG/L		NV	.768 MG/L		NV
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM	.005 MG/L		U				.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	68.8 MG/L		-				54.4 MG/L		NV	60.6 MG/L		NV	58.3 MG/L		NV
CHROMIUM	.02 MG/L		U							.005 MG/L		UNV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV

SAMPLE NUMBER:	003124			003124			EMGW_SYSGEN_633			EMGW_SYSGEN_633			EMGW_SYSGEN_633D		
LAB:	IT			IT			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER	.01 MG/L		U				.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV
CYANIDE										.005 MG/L		UNV			
IRON	1.6 MG/L		-				1.25 MG/L		NV	2.64 MG/L		NV	1.06 MG/L		NV
LEAD	.05 MG/L		U				.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM	27.2 MG/L		-				29.1 MG/L		NV	29.4 MG/L		NV	29.2 MG/L		NV
MANGANESE	.068 MG/L		J				.025 MG/L		NV	.056 MG/L		NV	.02 MG/L		UNV
MERCURY	.001 MG/L		-				.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.02 MG/L		U				.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV
NICKEL	.02 MG/L		U				.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
POTASSIUM	1.67 MG/L		-				1.93 MG/L		NV	2.03 MG/L		NV	1.98 MG/L		NV
SELENIUM	.2 MG/L		U				.0025 MG/L		UNV	.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER	.01 MG/L		U				.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	46.6 MG/L		-				51.6 MG/L		NV	50.7 MG/L		NV	51.8 MG/L		NV
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV
ZINC							.02 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U									
URANIUM, TOTAL				1 UG/L		U									
URANIUM-234				1 PCI/L		U									
THORIUM-230				1 PCI/L		U									
RADIUM-226				1 PCI/L		U									
URANIUM-235/236				1 PCI/L		U									
THORIUM-232				1 PCI/L		U									
RADIUM-228				3 PCI/L		U									
THORIUM-228				1 PCI/L		U									
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
SEMIVOLATILES															

SAMPLE NUMBER:	003124			003124			EMGW_SYSGEN_633			EMGW_SYSGEN_633			EMGW_SYSGEN_633D		
LAB:	IT			IT			NET			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_633D			066436			066436			066793			066793		
TASK:	GWMON			9.25			9.25			9.27			9.27		
LAB:	NET			IT			IT			WMCO			WMCO		
WELL OR BORING NUMBER:	2066			2066			2066			2067			2067		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	26-FEB-91			27-JUN-89			27-JUN-89			07-DEC-89			07-DEC-89		
NORTH COORDINATE:	483938.95			483938.95			483938.95			479761			479761		
EAST COORDINATE:	1376703.45			1376703.45			1376703.45			1382997			1382997		
QA TYPE:	DUPLICATE			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:	EMGW_SYSGEN_633														
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			F-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	329 MG/L		NV												
AMMONIA	3.71 MG/L		NV												
CHLORIDE	66 MG/L		NV				62 MG/L		J						
FLUORIDE	.91 MG/L		NV				.4 MG/L		J						
NITRATE	.02 MG/L		UNV				.1 MG/L		J						
NITRATE, AS NITROGEN	.02 MG/L		UNV												
PH	7.31 SU		NV												
PHENOLS	.005 MG/L		UNV												
PHOSPHORUS	.17 MG/L		NV												
SPECIFIC CONDUCTIVITY	750 UMHOS/CM		NV												
SULFATE	10 MG/L		NV				2.79 MG/L		J						
TOTAL DISSOLVED SOLIDS	412 MG/L		NV												
TOTAL ORGANIC CARBON	13 MG/L		NV				6.362 MG/L		UJ						
TOTAL ORGANIC HALIDES							.01 MG/L		U						
TOTAL ORGANIC HALOGENS	.029 MG/L		NV												
INORGANICS															
ALUMINUM	.56 MG/L		NV	.0816 MG/L		J									
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.025 MG/L		NV												
BARIUM	.8 MG/L		NV	.658 MG/L		J									
BERYLLIUM	.01 MG/L		UNV	.001 MG/L		UJ									
CADMIUM	.001 MG/L		UNV												
CALCIUM	58.7 MG/L		NV	74.2 MG/L		J									
CHROMIUM	.005 MG/L		UNV	.0259 MG/L		J									
COBALT	.025 MG/L		UNV	.01 MG/L		UJ									

SAMPLE NUMBER:	EMGW_SYSGEN_633D			066436			066436			066793			066793		
LAB:	NET			IT			IT			WMCO			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			F-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER	.025 MG/L		UNV	.01 MG/L		UJ									
CYANIDE	.005 MG/L		UNV												
IRON	2.53 MG/L		NV	1.73 MG/L		J									
LEAD	.005 MG/L		UNV	.002 MG/L		UJ				.005 MG/L		UNV	.2 MG/L		UNV
MAGNESIUM	27.8 MG/L		NV	30.45 MG/L		J									
MANGANESE	.053 MG/L		NV												
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	.025 MG/L		UNV												
NICKEL	.005 MG/L		UNV	.02 MG/L		UJ									
POTASSIUM	1.99 MG/L		NV												
SELENIUM	.0025 MG/L		UNV												
SILVER	.001 MG/L		UNV	.014 MG/L		J									
SODIUM	50.4 MG/L		NV												
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV	.0167 MG/L		J									
ZINC	.02 MG/L		UNV	.0202 MG/L		J									
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U						
URANIUM, TOTAL							1 UG/L		U						
URANIUM-234							1 PCI/L		U						
THORIUM-230							1 PCI/L		U						
URANIUM-235/236							1 PCI/L		U						
THORIUM-228							1 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV										2.5 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV				5 UG/L		U						
1,1-DICHLOROETHENE	1 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_633D			066436			066436			066793			066793		
LAB:	NET			IT			IT			WMCO			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			F-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV				10 UG/L		U						
BENZENE	1 UG/L		UNV										2.5 UG/L		UNV
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV				7 UG/L		U				2.5 UG/L		UNV
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV				5 UG/L		U				2.5 UG/L		UNV
TOLUENE	1 UG/L		UNV				5 UG/L		UJ				2.5 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV				5 UG/L		U				2.5 UG/L		UNV
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV										2.5 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066851			EMGW_SYSGEN_645			EMGW_SYSGEN_645			EMGW_SYSGEN_645			EMGW_SYSGEN_643		
TASK:	9.25			GWMON			GWMON			GWMON			GWMON		
LAB:	IT			NET			NET			WMCO			IT		
WELL OR BORING NUMBER:	2067			2067			2067			2067			2067		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-DEC-89			09-SEP-91			09-SEP-91			09-SEP-91			13-SEP-90		
NORTH COORDINATE:	479761			479761			479761			479761			479761		
EAST COORDINATE:	1382997			1382997			1382997			1382997			1382997		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							84 MG/L		NV						
BICARBONATE							6 MG/L		NV						
CARBONATE ALKALINITY							41 MG/L		NV						
CHLORIDE							11 MG/L		NV						
NITRATE, AS NITROGEN							.16 MG/L		NV						
PH							11.02 SU		NV						
SPECIFIC CONDUCTIVITY							391 UMHOS/CM		NV						
SULFATE							76 MG/L		NV						
TOTAL DISSOLVED SOLIDS							158 MG/L		NV						
TOTAL ORGANIC CARBON							6 MG/L		NV						
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.2 MG/L		UNV									
ANTIMONY				.02 MG/L		UNV									
ARSENIC				.005 MG/L		UNV									
BARIUM				.2 MG/L		UNV									
BERYLLIUM				.005 MG/L		UNV									
CADMIUM				.0014 MG/L		NV									
CALCIUM				46 MG/L		NV									
CHROMIUM							.0053 MG/L		NV						
COBALT				.005 MG/L		UNV									
COPPER				.02 MG/L		UNV									
IRON				.1 MG/L		UNV									
LEAD				.003 MG/L		UNV									
MAGNESIUM				6.6 MG/L		NV									

SAMPLE NUMBER:	066851			EMGW_SYSGEN_645			EMGW_SYSGEN_645			EMGW_SYSGEN_645			EMGW_SYSGEN_643		
LAB:	IT			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE				.015 MG/L		UNV									
MERCURY				.0002 MG/L		UNV									
MOLYBDENUM				.01 MG/L		UNV									
NICKEL				.01 MG/L		UNV									
POTASSIUM				2.7 MG/L		NV									
SELENIUM				.005 MG/L		UNV									
SILVER				.001 MG/L		UNV									
SODIUM				14 MG/L		NV									
THALLIUM				.01 MG/L		UNV									
VANADIUM				.05 MG/L		UNV									
ZINC				.02 MG/L		UNV									
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	1.91 PCI/L	.39	R										.438 PCI/L		NV
URANIUM, TOTAL	9.66 UG/L	1.01	R							1.8 UG/L		NV	1.32 UG/L		NV
URANIUM-234	2.19 PCI/L	.42	R										.652 PCI/L		NV
THORIUM-230	1 PCI/L		R										.337 PCI/L		NV
RADIUM-226													1 PCI/L		UNV
URANIUM-235/236	1 PCI/L		R										.2 PCI/L		UNV
THORIUM-232													.27 PCI/L		UNV
THORIUM, TOTAL													2.4 UG/L		UNV
RADIUM-228													3 PCI/L		UNV
THORIUM-228	1 PCI/L		R										.27 PCI/L		UNV
TECHNETIUM-99	30 PCI/L		R												
GROSS ALPHA													2 PCI/L		UNV
GROSS BETA													4 PCI/L		UNV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						

SAMPLE NUMBER:	066851			EMGW_SYSGEN_645			EMGW_SYSGEN_645			EMGW_SYSGEN_645			EMGW_SYSGEN_643		
LAB:	IT			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							7.4 UG/L		NV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1.3 UG/L		NV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_643			EMGW_SYSGEN_640			EMGW_SYSGEN_640			EMGW_SYSGEN_640			EMGW_SYSGEN_640D		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			NET			NET			WMCO			NET		
WELL OR BORING NUMBER:	2067			2067			2067			2067			2067		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-SEP-90			14-MAR-90			14-MAR-90			14-MAR-90			14-MAR-90		
NORTH COORDINATE:	479761			479761			479761			479761			479761		
EAST COORDINATE:	1382997			1382997			1382997			1382997			1382997		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													EMGW_SYSGEN_640		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	244 MG/L		NV												
CHLORIDE	12 MG/L		NV												
FLUORIDE	.18 MG/L		NV												
NITRATE, AS NITROGEN	.02 MG/L		UNV												
PH	7.15 SU		NV												
PHENOLS	.005 MG/L		UNV												
SPECIFIC CONDUCTIVITY	654 UMHOS/CM		NV												
SULFATE	92 MG/L		NV												
TOTAL DISSOLVED SOLIDS	415 MG/L		NV												
TOTAL ORGANIC CARBON	3 MG/L		NV												
TOTAL ORGANIC HALOGENS	.014 MG/L		NV												
INORGANICS															
LEAD				.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238										8.7 PCI/L		NV			
URANIUM, TOTAL										26.3 UG/L		NV			
URANIUM-234										8.2 PCI/L		NV			
URANIUM-235										.41 PCI/L		NV			
URANIUM-236										.1 PCI/L		NV			

001527

6417

SAMPLE NUMBER:	EMGW_SYSGEN_643			EMGW_SYSGEN_640			EMGW_SYSGEN_640			EMGW_SYSGEN_640			EMGW_SYSGEN_640D		
LAB:	NET			NET			NET			WMCO			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	60 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV				1 UG/L		UNV						
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV				5 UG/L		UNV						
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TOLUENE	1 UG/L		UNV				1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_640D	EMGW_SYSGEN_644	EMGW_SYSGEN_644	EMGW_SYSGEN_644D	EMGW_SYSGEN_644D
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	IT	NET	IT	NET
WELL OR BORING NUMBER:	2067	2067	2067	2067	2067
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-MAR-90	17-DEC-90	17-DEC-90	17-DEC-90	17-DEC-90
NORTH COORDINATE:	479761	479761	479761	479761	479761
EAST COORDINATE:	1382997	1382997	1382997	1382997	1382997
QA TYPE:	DUPLICATE	NORMAL	NORMAL	DUPLICATE	DUPLICATE
QC OF:	EMGW_SYSGEN_640			EMGW_SYSGEN_644	EMGW_SYSGEN_644
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							241 MG/L		NV				244 MG/L		NV
AMMONIA							.06 MG/L		NV				.04 MG/L		NV
CHLORIDE							16 MG/L		NV				16 MG/L		NV
FLUORIDE							.19 MG/L		NV				.18 MG/L		NV
NITRATE/NITRITE							.02 MG/L		UNV				.02 MG/L		UNV
PH							7.08 SU		NV				7.09 SU		NV
PHENOLS							.01 MG/L		UNV				.005 MG/L		UNV
PHOSPHORUS							.02 MG/L		UNV				.02 MG/L		UNV
SPECIFIC CONDUCTIVITY							670 UMHOS/CM		NV				679 UMHOS/CM		NV
SULFATE							81 MG/L		NV				73 MG/L		NV
TOTAL DISSOLVED SOLIDS							410 MG/L		NV				414 MG/L		NV
TOTAL ORGANIC CARBON							8 MG/L		NV				7 MG/L		NV
TOTAL ORGANIC HALOGENS							.042 MG/L		NV				.01 MG/L		UNV
INORGANICS															
CYANIDE							.01 MG/L		UNV				.005 MG/L		UNV
LEAD	.005 MG/L		UNV												
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238				2.29 PCI/L		NV				2.6 PCI/L		NV			
URANIUM, TOTAL				5.26 UG/L		NV				5.87 UG/L		NV			

SAMPLE NUMBER:	EMGW_SYSGEN_640D			EMGW_SYSGEN_644			EMGW_SYSGEN_644			EMGW_SYSGEN_644D			EMGW_SYSGEN_644D		
LAB:	NET			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-234				2.81 PCI/L		NV				2.26 PCI/L		NV			
THORIUM-230				.29 PCI/L		UNV				.28 PCI/L		UNV			
RADIUM-226				1 PCI/L		UNV				1 PCI/L		UNV			
URANIUM-235/236				.2 PCI/L		UNV				.2 PCI/L		UNV			
THORIUM-232				.29 PCI/L		UNV				.28 PCI/L		UNV			
THORIUM, TOTAL				2.6 UG/L		UNV				2.5 UG/L		UNV			
RADIUM-228				3 PCI/L		UNV				3 PCI/L		UNV			
THORIUM-228				.958 PCI/L		NV				.728 PCI/L		NV			
GROSS ALPHA				6.9 PCI/L		UNV				5.4 PCI/L		UNV			
GROSS BETA				5.39 PCI/L		NV				5.62 PCI/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV				10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROPROPANE							1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE							2 UG/L		UNV				2 UG/L		UNV
2-HEXANONE							2 UG/L		UNV				2 UG/L		UNV
4-METHYL-2-PENTANONE							2 UG/L		UNV				2 UG/L		UNV
ACETONE							2 UG/L		UNV				2 UG/L		UNV
BENZENE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
BROMODICHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
BROMOFORM							1 UG/L		UNV				1 UG/L		UNV
BROMOMETHANE							1 UG/L		UNV				1 UG/L		UNV
CARBON DISULFIDE							1 UG/L		UNV				1 UG/L		UNV
CARBON TETRACHLORIDE							1 UG/L		UNV				1 UG/L		UNV
CHLOROBENZENE							1 UG/L		UNV				1 UG/L		UNV
CHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
CHLOROFORM							1 UG/L		UNV				1 UG/L		UNV
CHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
DIBROMOCHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
ETHYLBENZENE							1 UG/L		UNV				1 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_640D			EMGW_SYSGEN_644			EMGW_SYSGEN_644			EMGW_SYSGEN_644D			EMGW_SYSGEN_644D		
LAB:	NET			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
METHYLENE CHLORIDE	5 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
STYRENE							1 UG/L		UNV				1 UG/L		UNV
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
TOLUENE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE							2 UG/L		UNV				2 UG/L		UNV
VINYL CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	105401	105401	105401	105401	105402
TASK:	50.03.10	50.03.10	50.03.10	50.03.10	50.03.10
LAB:	IT	IT-KNOX	IT-KNOX	IT	WEMCO
WELL OR BORING NUMBER:	2067	2067	2067	2067	2067
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-NOV-92	17-NOV-92	17-NOV-92	17-NOV-92	17-NOV-92
NORTH COORDINATE:	479761	479761	479761	479761	479761
EAST COORDINATE:	1382997	1382997	1382997	1382997	1382997
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							.259 MG/L		-						
AMMONIA							.1 MG/L		U						
CHLORIDE							17.23 MG/L		J						
FLUORIDE							.17 MG/L		J						
NITRATE							.1 MG/L		UJ						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.02 MG/L		U						
SULFATE							83.8 MG/L		-						
SULFIDE							.5 MG/L		U						
TOTAL ORGANIC CARBON							1.3 MG/L		J						
TOTAL ORGANIC HALIDES							.01 MG/L		U						
TOTAL ORGANIC NITROGEN							.14 MG/L		-						
INORGANICS															
ALUMINUM				.03 MG/L		U									
ANTIMONY				.005 MG/L		U									
ARSENIC				.002 MG/L		U									
BARIUM				.0568 MG/L		-									
BERYLLIUM				.002 MG/L		U									
CADMIUM				.005 MG/L		U									
CALCIUM				101 MG/L		-									
CHROMIUM				.01 MG/L		U									
COBALT				.01 MG/L		U									
COPPER				.01 MG/L		U									
CYANIDE				.002 MG/L		U									
IRON				1.83 MG/L		-									

SAMPLE NUMBER:	105401			105401			105401			105401			105402		
LAB:	IT			IT-KNOX			IT-KNOX			IT			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD				.002 MG/L		UJ									
MAGNESIUM				26.1 MG/L		-									
MANGANESE				.15 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.02 MG/L		U									
NICKEL				.02 MG/L		U									
POTASSIUM				1.91 MG/L		-									
SELENIUM	.002 MG/L		UJ												
SILICON				4.93 MG/L		-									
SILVER				.01 MG/L		U									
SODIUM				7.85 MG/L		-									
THALLIUM				.002 MG/L		U									
VANADIUM				.01 MG/L		U									
ZINC				.0117 MG/L		-									
PESTICIDES															
4,4'-DDD							.1 UG/L		U						
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						
ALDRIN							.05 UG/L		U						
ALPHA-BHC							.05 UG/L		U						
ALPHA-CHLORDANE							.5 UG/L		U						
AROCLOR-1016							.5 UG/L		U						
AROCLOR-1221							.5 UG/L		U						
AROCLOR-1232							.5 UG/L		U						
AROCLOR-1242							.5 UG/L		U						
AROCLOR-1248							.5 UG/L		U						
AROCLOR-1254							1 UG/L		U						
AROCLOR-1260							1 UG/L		U						
BETA-BHC							.05 UG/L		U						
DELTA-BHC							.05 UG/L		U						
DIELDRIN							.1 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.1 UG/L		U	.1 UG/L		U			
ENDRIN KETONE							.1 UG/L		U						
GAMMA-BHC (LINDANE)							.05 UG/L		U						
GAMMA-CHLORDANE							.5 UG/L		U						
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						

SAMPLE NUMBER:	105401			105401			105401			105401			105402		
LAB:	IT			IT-KNOX			IT-KNOX			IT			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							1 UG/L		U						
RADIONUCLIDES															
URANIUM-238	.28 PCI/L		UJ												
URANIUM, TOTAL	1 UG/L		UJ										.5 UG/L		NV
URANIUM-234	.5 PCI/L	.2	J												
RADIUM-226	1 PCI/L	.2	UJ												
URANIUM-235/236	.28 PCI/L		UJ												
RADIUM-228	3 PCI/L		UJ												
NEPTUNIUM-237	.5 PCI/L		UJ												
PLUTONIUM-239/240	.5 PCI/L	.09	UJ												
PLUTONIUM-238	.5 PCI/L		UJ												
STRONTIUM-90	1.61 PCI/L		UJ												
TECHNETIUM-99	15 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		UJ												
CESIUM-137	10.2 PCI/L		UJ												
GROSS ALPHA	6.1 PCI/L		UNV												
GROSS BETA	4.4 PCI/L		UNV												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U						
1,2-DICHLOROBENZENE							10 UG/L		U						
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							50 UG/L		U						
2,4,6-TRICHLOROPHENOL							10 UG/L		U						
2,4-DICHLOROPHENOL							10 UG/L		U						
2,4-DIMETHYLPHENOL							10 UG/L		U						
2,4-DINITROPHENOL							50 UG/L		UJ						
2,4-DINITROTOLUENE							10 UG/L		U						
2,6-DINITROTOLUENE							10 UG/L		U						
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		U						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		U						
2-NITROANILINE							50 UG/L		U						
2-NITROPHENOL							10 UG/L		U						
3,3'-DICHLOROBENZIDINE							20 UG/L		U						
3-NITROANILINE							50 UG/L		U						

SAMPLE NUMBER:	105401			105401			105401			105401			105402		
LAB:	IT			IT-KNOX			IT-KNOX			IT			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		UJ						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		U						
4-NITROANILINE							50 UG/L		U						
4-NITROPHENOL							50 UG/L		U						
ACENAPHTHENE							10 UG/L		U						
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		U						
BENZO(B)FLUORANTHENE							10 UG/L		U						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZOIC ACID							50 UG/L		U						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						
DI-N-OCTYL PHTHALATE							10 UG/L		U						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U						
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		U						
NITROBENZENE							10 UG/L		U						

SAMPLE NUMBER:	105401			105401			105401			105401			105402		
LAB:	IT			IT-KNOX			IT-KNOX			IT			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
P-CHLOROANILINE							10 UG/L		U						
PENTACHLOROPHENOL							50 UG/L		U						
PHENANTHRENE							10 UG/L		U						
PHENOL							10 UG/L		U						
PYRENE							10 UG/L		U						
TRIBUTYL PHOSPHATE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHENE							5 UG/L		U						
1,2-DICHLOROETHANE							5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		U						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		UJ						
4-METHYL-2-PENTANONE							10 UG/L		UJ						
ACETONE							10 UG/L		U						
BENZENE							5 UG/L		U						
BROMODICHLOROMETHANE							5 UG/L		U						
BROMOFORM							5 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							5 UG/L		U						
CARBON TETRACHLORIDE							5 UG/L		U						
CHLOROBENZENE							5 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							5 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							5 UG/L		U						
DIBROMOCHLOROMETHANE							5 UG/L		U						
ETHYLBENZENE							5 UG/L		U						
METHYLENE CHLORIDE							5 UG/L		UJ						
STYRENE							5 UG/L		U						
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U						
TRICHLOROETHENE							5 UG/L		U						
VINYL ACETATE							10 UG/L		UJ						
VINYL CHLORIDE							10 UG/L		U						

SAMPLE NUMBER:	105401			105401			105401			105401			105402		
LAB:	IT			IT-KNOX			IT-KNOX			IT			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL							5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003826			003826			003109			003109			003358		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2067			2067			2067			2067			2067		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-JAN-89			19-JAN-89			21-APR-88			21-APR-88			21-JUL-88		
NORTH COORDINATE:	479761			479761			479761			479761			479761		
EAST COORDINATE:	1382997			1382997			1382997			1382997			1382997		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.2 MG/L		-			
CHLORIDE				13 MG/L		-				13 MG/L		-			
FLUORIDE				.105 MG/L		-				.1 MG/L		UJ			
NITRATE				.1 MG/L		UJ				.1 MG/L		R			
PHENOLS				.01 MG/L		R				.01 MG/L		U			
PHOSPHORUS				536 MG/L		-				.05 MG/L		UJ			
SULFATE				84.2 MG/L		-				45 MG/L		-			
TOTAL KJELDAHL NITROGEN				.1 MG/L		U									
TOTAL ORGANIC HALIDES				.028 MG/L		-									
TOTAL ORGANIC NITROGEN				.1 MG/L		U				.1 MG/L		U			
INORGANICS															
ARSENIC	.002 MG/L		U				.2 MG/L		UJ				.2 MG/L		U
BARIUM	.062 MG/L		-				.032 MG/L		J				.064 MG/L		-
CADMIUM	.005 MG/L		-				.005 MG/L		UJ				.002 MG/L		U
CALCIUM	98.9 MG/L		-				68.5 MG/L		-				96.9 MG/L		-
CHROMIUM	.027 MG/L		-				.02 MG/L		UJ				.02 MG/L		U
COPPER	.014 MG/L		-				.01 MG/L		UJ				.01 MG/L		U
IRON	2.12 MG/L		-				.05 MG/L		UJ				2.26 MG/L		J
LEAD	.002 MG/L		UJ				.05 MG/L		UJ				.05 MG/L		U
MAGNESIUM	25.4 MG/L		-				2.49 MG/L		-				25.8 MG/L		-
MANGANESE	.138 MG/L		-				.002 MG/L		UJ				.147 MG/L		-
MERCURY	.0002 MG/L		U				.0002 MG/L		UJ				.0002 MG/L		U
MOLYBDENUM	.02 MG/L		U				.02 MG/L		UJ				.02 MG/L		U
NICKEL	.218 MG/L		-				.02 MG/L		UJ				.02 MG/L		U
POTASSIUM	1.92 MG/L		-				2.67 MG/L		J				.936 MG/L		-

SAMPLE NUMBER:	003826			003826			003109			003109			003358		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.002 MG/L		UJ				.2 MG/L		UJ				.2 MG/L		U
SILVER	.0005 MG/L		U				.01 MG/L		UJ				.01 MG/L		U
SODIUM	9.28 MG/L		-				8.78 MG/L		-				9.47 MG/L		-
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		UJ			
URANIUM, TOTAL				1 UG/L		U				1 UG/L		UJ			
URANIUM-234				1 PCI/L		U				1 PCI/L		UJ			
THORIUM-230				1 PCI/L		U				1 PCI/L		UJ			
RADIUM-226				1 PCI/L		U				1 PCI/L		R			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		UJ			
THORIUM-232				1 PCI/L		U				1 PCI/L		UJ			
THORIUM, TOTAL				7 UG/L		U									
RADIUM-228				3 PCI/L		U				3 PCI/L		UJ			
THORIUM-228				1 PCI/L		U				1 PCI/L		UJ			
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		UJ			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		UJ			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003358			GW930422-6			GW930422-6			GW930422-6			GW930422-6		
TASK:	3.2.4			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	IT			CORE			CORE			FERMCO			FERMCO		
WELL OR BORING NUMBER:	2067			2067			2067			2067			2067		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	21-JUL-88			22-APR-93			22-APR-93			22-APR-93			22-APR-93		
NORTH COORDINATE:	479761			479761			479761			479761			479761		
EAST COORDINATE:	1382997			1382997			1382997			1382997			1382997		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U												
CHLORIDE	12.5 MG/L		-												
FLUORIDE	.18 MG/L		-												
NITRATE	.1 MG/L		R												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.01 MG/L		U												
SULFATE	108 MG/L		-												
TOTAL ORGANIC NITROGEN	.1 MG/L		UJ												
RADIONUCLIDES															
URANIUM-238	1 PCI/L		R	.8 PCI/L	.2	J	.8 PCI/L	.3	J						
URANIUM, TOTAL	1 UG/L		R	2.5 UG/L	.2	-	2.7 UG/L	.2	-	2.6 UG/L		NV	2.6 UG/L		NV
URANIUM-234	1 PCI/L		R	1.1 PCI/L	.2	J	.9 PCI/L	.4	J						
THORIUM-230	1 PCI/L		R	.2 PCI/L	.3	UJ	.5 PCI/L	.2	J						
RADIUM-226	1 PCI/L		R	1 PCI/L	.3	U	1 PCI/L	.3	U						
URANIUM-235/236	1 PCI/L		R	.2 PCI/L	.2	UJ	.2 PCI/L	.3	UJ						
THORIUM-232	1 PCI/L		R	.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ						
THORIUM, TOTAL	3 UG/L		R				1.824037 PCI/L	.1	NV						
RADIUM-228	3 PCI/L		R	3 PCI/L	.8	U	3 PCI/L	1.6	U						
THORIUM-228	1 PCI/L		R	.3 PCI/L	.2	UJ	.2 PCI/L	.1	UJ						
NEPTUNIUM-237	1 PCI/L		R												
PLUTONIUM-239/240	1 PCI/L		R												
PLUTONIUM-238	1 PCI/L		R												
STRONTIUM-90	5 PCI/L		R												
TECHNETIUM-99	30 PCI/L		R												
RUTHENIUM-106	150 PCI/L		R												

SAMPLE NUMBER:	003358			GW930422-6			GW930422-6			GW930422-6			GW930422-6		
LAB:	IT			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137	20 PCI/L		R												
GROSS ALPHA				1.3 PCI/L	1.3	UNV	2 PCI/L	1.1	NV						
GROSS BETA				6.2 PCI/L	1.4	NV	4.7 PCI/L	1.8	NV						

SAMPLE NUMBER:	GW930422-6	GW930422-6	003233	003233	003638
TASK:	50.03.23	50.03.23	3.2.4	3.2.4	3.2.4
LAB:	LOCKHEED	LOCKHEED	IT	IT	IT
WELL OR BORING NUMBER:	2067	2067	2067	2067	2067
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-APR-93	22-APR-93	24-MAY-88	24-MAY-88	24-OCT-88
NORTH COORDINATE:	479761	479761	479761	479761	479761
EAST COORDINATE:	1382997	1382997	1382997	1382997	1382997
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				290 MG/L		-									
AMMONIA				.065 MG/L		UJ				.2 MG/L		-			
BICARBONATE ALKALINITY				290 MG/L		-									
CARBONATE ALKALINITY				30 MG/L		U									
CHLORIDE				15 MG/L		-				251 MG/L		-			
FLUORIDE				.15 MG/L		-				.23 MG/L		J			
NITRATE				.05 MG/L		U				.1 MG/L		-			
NITRATE/NITRITE				.05 MG/L		U									
PH				7.8 SU		-				.02 MG/L		J			
PHENOLS				.15 MG/L		U				.02 MG/L		J			
PHOSPHORUS				.035 MG/L		-				.14 MG/L		-			
SPECIFIC CONDUCTIVITY				630 UMHOS/CM		-									
SULFATE				89 MG/L		-				88 MG/L		-			
TOTAL DISSOLVED SOLIDS	400 MG/L		-												
TOTAL ORGANIC CARBON				1.9 MG/L		U									
TOTAL ORGANIC HALIDES				.045 MG/L		U									
TOTAL ORGANIC NITROGEN				.26 MG/L		UJ				.1 MG/L		-			
TOTAL SOLIDS				400 MG/L		-									
INORGANICS															
ALUMINUM	.036 MG/L		U	.0301 MG/L		U									
ANTIMONY	.031 MG/L		U	.027 MG/L		U									
ARSENIC	.002 MG/L		U	.002 MG/L		U	.2 MG/L		U				.002 MG/L		U
BARIUM	.0606 MG/L		-	.0578 MG/L		-	.05 MG/L		U				.06 MG/L		-
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									
CADMIUM	.002 MG/L		U	.0029 MG/L		-	.005 MG/L		U				.002 MG/L		U

SAMPLE NUMBER:	GW930422-6			GW930422-6			003233			003233			003638		
LAB:	LOCKHEED			LOCKHEED			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	112 MG/L		-	106 MG/L		-	44.9 MG/L		-				97.1 MG/L		-
CHROMIUM	.0046 MG/L		-	.004 MG/L		U	.02 MG/L		U				.02 MG/L		U
COBALT	.008 MG/L		U	.005 MG/L		U									
COPPER	.004 MG/L		U	.003 MG/L		U	.01 MG/L		U				.01 MG/L		U
CYANIDE	.02 MG/L		U	.02 MG/L		U									
IRON	1.55 MG/L		J	1.34 MG/L		J	.22 MG/L		-				2.05 MG/L		-
LEAD	.001 MG/L		U	.002 MG/L		U	.05 MG/L		U				.002 MG/L		J
MAGNESIUM	28.7 MG/L		-	27.5 MG/L		-	5.24 MG/L		-				24.6 MG/L		-
MANGANESE	.265 MG/L		J	.237 MG/L		J	.02 MG/L		U				.137 MG/L		-
MERCURY	.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U				.0002 MG/L		UJ
MOLYBDENUM	.015 MG/L		U	.0142 MG/L		-	.02 MG/L		U				.02 MG/L		U
NICKEL	.031 MG/L		U	.011 MG/L		U	.02 MG/L		U				.02 MG/L		U
POTASSIUM	2.6 MG/L		-	2.27 MG/L		-	3.01 MG/L		-				1.82 MG/L		-
SELENIUM	.001 MG/L		UJ	.01 MG/L		UJ	.2 MG/L		U				.002 MG/L		UJ
SILVER	.003 MG/L		U	.004 MG/L		U	.01 MG/L		U				.0005 MG/L		U
SODIUM	8.41 MG/L		-	8.3 MG/L		-	9.17 MG/L		-				9.17 MG/L		-
THALLIUM	.002 MG/L		U	.003 MG/L		U									
VANADIUM	.007 MG/L		U	.004 MG/L		U									
ZINC	.0074 MG/L		-	.0137 MG/L		U									
RADIONUCLIDES															
URANIUM-238										1 PCI/L		U			
URANIUM, TOTAL										1 UG/L		UJ			
URANIUM-234										1 PCI/L		U			
THORIUM-230										1 PCI/L		U			
RADIUM-226										1 PCI/L		U			
URANIUM-235/236										1 PCI/L		U			
THORIUM-232										1 PCI/L		U			
RADIUM-228										3 PCI/L		U			
THORIUM-228										1 PCI/L		U			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									

SAMPLE NUMBER:	GW930422-6			GW930422-6			003233			003233			003638		
LAB:	LOCKHEED			LOCKHEED			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		UJ									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		UJ									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003638	EMGW_SYSGEN_641	EMGW_SYSGEN_641	EMGW_SYSGEN_642	EMGW_SYSGEN_642
TASK:	3.2.4	GWMON	GWMON	GWMON	GWMON
LAB:	IT	IT	NET	IT	NET
WELL OR BORING NUMBER:	2067	2067	2067	2067	2067
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-OCT-88	26-APR-90	26-APR-90	28-JUN-90	28-JUN-90
NORTH COORDINATE:	479761	479761	479761	479761	479761
EAST COORDINATE:	1382997	1382997	1382997	1382997	1382997
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U												
CHLORIDE	20 MG/L		-				16 MG/L		NV				17 MG/L		NV
FLUORIDE	.19 MG/L		-												
NITRATE	.1 MG/L		UJ				.02 MG/L		UNV				.03 MG/L		NV
NITRATE, AS NITROGEN							.02 MG/L		UNV				.03 MG/L		NV
PHENOLS	.01 MG/L		UJ												
PHOSPHORUS	.02 MG/L		U												
SULFATE	26 MG/L		J				96 MG/L		NV				107 MG/L		NV
TOTAL KJELDAHL NITROGEN	.207 MG/L		-												
TOTAL ORGANIC CARBON							1 MG/L		NV				1 MG/L		NV
TOTAL ORGANIC HALIDES	.05 MG/L		U												
TOTAL ORGANIC HALOGENS							.012 MG/L		NV				.01 MG/L		UNV
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	1 PCI/L		UJ	6.81 PCI/L		NV				3.26 PCI/L		NV			
URANIUM, TOTAL	1 UG/L		U	19.9 UG/L		NV				10.1 UG/L		NV			
URANIUM-234	1 PCI/L		UJ	7.02 PCI/L		NV				2.42 PCI/L		NV			
THORIUM-230	1 PCI/L		UJ	.585 PCI/L		NV				.827 PCI/L		NV			
RADIUM-226	1 PCI/L		U	4.72 PCI/L		NV				1 PCI/L		UNV			
URANIUM-235/236	1 PCI/L		UJ	.458 PCI/L		NV				.835 PCI/L		NV			
THORIUM-232	1 PCI/L		UJ	.49 PCI/L		UNV				.91 PCI/L		NV			

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SAMPLE NUMBER:	003638			EMGW_SYSGEN_641			EMGW_SYSGEN_641			EMGW_SYSGEN_642			EMGW_SYSGEN_642		
LAB:	IT			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM, TOTAL	2 UG/L		UJ	4.4 UG/L		UNV				8.21 UG/L		NV			
RADIUM-228	3 PCI/L		U	15.3 PCI/L		NV				3 PCI/L		UNV			
THORIUM-228	1 PCI/L		UJ	.49 PCI/L		UNV				.86 PCI/L		NV			
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		UJ												
PLUTONIUM-238	1 PCI/L		UJ												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA				15.1 PCI/L		NV				15 PCI/L		UNV			
GROSS BETA				53 PCI/L		UNV				11.1 PCI/L		NV			
SEMIVOLATILES															
1,3-DICHLOROBENZENE							1 UG/L		UNV						
1,4-DICHLOROBENZENE							1 UG/L		UNV						
2-CHLOROETHYLVINYL ETHER							60 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE							1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE							1 UG/L		UNV				1 UG/L		UNV
BROMODICHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
BROMOFORM							1 UG/L		UNV				1 UG/L		UNV
BROMOMETHANE							1 UG/L		UNV				1 UG/L		UNV
CARBON DISULFIDE													4.7 UG/L		NV
CARBON TETRACHLORIDE							1 UG/L		UNV				1 UG/L		UNV
CHLOROBENZENE							1 UG/L		UNV				1 UG/L		UNV
CHLOROFORM							1 UG/L		UNV				1 UG/L		UNV
CHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV

SAMPLE NUMBER:	003638			EMGW_SYSGEN_641			EMGW_SYSGEN_641			EMGW_SYSGEN_642			EMGW_SYSGEN_642		
LAB:	IT			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
DIBROMOCHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
ETHYLBENZENE							1 UG/L		UNV				1 UG/L		UNV
METHYLENE CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
TOLUENE							1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
TRICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
TRICHLOROFLUOROMETHANE							1 UG/L		UNV						
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_642	EMGW_SYSGEN_642D	EMGW_SYSGEN_642D	EMGW_SYSGEN_652	EMGW_SYSGEN_652
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	WMCO	IT	NET	IT	NET
WELL OR BORING NUMBER:	2067	2067	2067	2068	2068
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JUN-90	28-JUN-90	28-JUN-90	04-DEC-90	04-DEC-90
NORTH COORDINATE:	479761	479761	479761	478683	478683
EAST COORDINATE:	1382997	1382997	1382997	1381391	1381391
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	NORMAL	NORMAL
QC OF:		EMGW_SYSGEN_642	EMGW_SYSGEN_642		
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													42 MG/L		NV
AMMONIA													.2 MG/L		NV
CHLORIDE							16 MG/L		NV				81 MG/L		NV
FLUORIDE													.11 MG/L		NV
NITRATE, AS NITROGEN							.06 MG/L		NV						
NITRATE/NITRITE													.02 MG/L		UNV
PH													7.06 SU		NV
PHENOLS													.005 MG/L		UNV
PHOSPHORUS													.02 MG/L		UNV
SPECIFIC CONDUCTIVITY													502 UMHOS/CM		NV
SULFATE							97 MG/L		NV				154 MG/L		NV
TOTAL DISSOLVED SOLIDS													430 MG/L		NV
TOTAL ORGANIC CARBON							2 MG/L		NV				5 MG/L		NV
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV				.01 MG/L		UNV
INORGANICS															
CYANIDE													.005 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	3.2567 PCI/L		NV	2.24 PCI/L		NV				.889 PCI/L		NV			
URANIUM, TOTAL	9.76 UG/L		NV	6.67 UG/L		NV				1.64 UG/L		NV			

SAMPLE NUMBER:	EMGW_SYSGEN_642			EMGW_SYSGEN_642D			EMGW_SYSGEN_642D			EMGW_SYSGEN_652			EMGW_SYSGEN_652		
LAB:	WMCO			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-234	2.4364 PCI/L		NV	2.28 PCI/L		NV				.739 PCI/L		NV			
THORIUM-230				.22 PCI/L		UNV				.236 PCI/L		NV			
RADIUM-226				1 PCI/L		UNV				1.4 PCI/L		NV			
URANIUM-235/236				.25 PCI/L		UNV				.2 PCI/L		UNV			
THORIUM-232				.22 PCI/L		UNV				.2 PCI/L		UNV			
THORIUM, TOTAL				2 UG/L		UNV				1.8 UG/L		UNV			
RADIUM-228				3 PCI/L		UNV				3 PCI/L		UNV			
THORIUM-228				1.16 PCI/L		NV				.2 PCI/L		UNV			
GROSS ALPHA				16 PCI/L		UNV				6.32 PCI/L		NV			
GROSS BETA				11.4 PCI/L		NV				7.87 PCI/L		NV			
URANIUM-235	.1519 PCI/L		NV	.25 PCI/L		UNV				.2 PCI/L		UNV			
URANIUM-236	.0316 PCI/L		NV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROPROPANE							1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE							2 UG/L		UNV				2 UG/L		UNV
2-HEXANONE							2 UG/L		UNV				2 UG/L		UNV
4-METHYL-2-PENTANONE							2 UG/L		UNV				2 UG/L		UNV
ACETONE							2 UG/L		UNV				18.8 UG/L		NV
BENZENE							1 UG/L		UNV				1 UG/L		UNV
BROMODICHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
BROMOFORM							1 UG/L		UNV				1 UG/L		UNV
BROMOMETHANE							1 UG/L		UNV				1 UG/L		UNV
CARBON DISULFIDE							1 UG/L		UNV				1.2 UG/L		NV
CARBON TETRACHLORIDE							1 UG/L		UNV				1 UG/L		UNV
CHLOROBENZENE							1 UG/L		UNV				1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM							1 UG/L		UNV				1 UG/L		UNV
CHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_642	EMGW_SYSGEN_642D	EMGW_SYSGEN_642D	EMGW_SYSGEN_652	EMGW_SYSGEN_652
LAB:	WMCO	IT	NET	IT	NET
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
DIBROMOCHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
ETHYLBENZENE							1 UG/L		UNV				1 UG/L		UNV
METHYLENE CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
STYRENE							1 UG/L		UNV				1 UG/L		UNV
TETRACHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
TOLUENE							1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
TRICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE							2 UG/L		UNV				2 UG/L		UNV
VINYL CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
XYLENES, TOTAL							1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004226	004226	120051-1	120051-1	120051
TASK:	3.2.4	3.2.4	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	NET	NET	CORE
WELL OR BORING NUMBER:	2068	2068	2068	2068	2068
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-MAR-90	04-MAR-90	08-JUN-93	08-JUN-93	08-JUN-93
NORTH COORDINATE:	478683	478683	478683	478683	478683
EAST COORDINATE:	1381391	1381391	1381391	1381391	1381391
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										252 MG/L		-			
AMMONIA				.1 MG/L		U				.34 MG/L		-			
BICARBONATE ALKALINITY										342 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE				13.8 MG/L		-				19 MG/L		-			
FLUORIDE				.23 MG/L		-				.15 MG/L		-			
NITRATE				.1 MG/L		R									
NITRITE, AS NITROGEN										.02 MG/L		UJ			
PH				.01 MG/L		U				7.7 SU		-			
PHENOLS				.01 MG/L		U				.04 MG/L		UJ			
PHOSPHORUS				.02 MG/L		U				.12 MG/L		-			
SPECIFIC CONDUCTIVITY										679 UMHOS/CM		-			
SULFATE				150 MG/L		J				130 MG/L		J			
SULFIDE				.5 MG/L		R									
TOTAL DISSOLVED SOLIDS							482 MG/L		-						
TOTAL KJELDAHL NITROGEN				.103 MG/L		J				.54 MG/L		-			
TOTAL ORGANIC CARBON				1.51 MG/L		-				1 MG/L		UR			
TOTAL ORGANIC HALIDES				.072 MG/L		J									
TOTAL ORGANIC HALOGENS										.01 MG/L		U			
TOTAL ORGANIC NITROGEN				.103 MG/L		J				.2 MG/L		U			
TOTAL SOLIDS										552 MG/L		-			
INORGANICS															
ALUMINUM	.127 MG/L		-				.02 MG/L		U	.106 MG/L		-			
ANTIMONY							.045 MG/L		UJ	.045 MG/L		UJ			
ARSENIC	.002 MG/L		U				.002 MG/L		UJ	.002 MG/L		UJ			

SAMPLE NUMBER:	004226			004226			120051-1			120051-1			120051		
LAB:	IT			IT			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BARIUM	.096 MG/L		-				.069 MG/L		-	.0704 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM	.003 MG/L		-				.003 MG/L		U	.003 MG/L		U			
CALCIUM	119 MG/L		-				99.6 MG/L		-	107 MG/L		-			
CHROMIUM	.036 MG/L		-				.005 MG/L		U	.005 MG/L		U			
COBALT							.008 MG/L		U	.008 MG/L		U			
COPPER	.01 MG/L		U				.0098 MG/L		U	.006 MG/L		U			
CYANIDE							.01 MG/L		UJ	.01 MG/L		UJ			
IRON	2.55 MG/L		-				1.98 MG/L		-	2.51 MG/L		-			
LEAD	.003 MG/L		-				.0018 MG/L		U	.0016 MG/L		-			
MAGNESIUM	30.6 MG/L		-				24.6 MG/L		-	26.1 MG/L		-			
MANGANESE	.231 MG/L		-				.307 MG/L		-	.336 MG/L		-			
MERCURY	.002 MG/L		U				.0002 MG/L		UJ	.0002 MG/L		U			
MOLYBDENUM	.1 MG/L		U												
NICKEL	.02 MG/L		U				.02 MG/L		U	.02 MG/L		U			
POTASSIUM	3.21 MG/L		-				2.23 MG/L		-	2.02 MG/L		U			
SELENIUM	.002 MG/L		J				.0019 MG/L		U	.001 MG/L		U			
SILICON	4.57 MG/L		J												
SILVER	.01 MG/L		U				.007 MG/L		U	.007 MG/L		U			
SODIUM	14.2 MG/L		-				9.4 MG/L		J	9.69 MG/L		J			
THALLIUM							.002 MG/L		U	.002 MG/L		U			
VANADIUM	.019 MG/L		-				.003 MG/L		U	.003 MG/L		U			
ZINC							.0172 MG/L		U	.0212 MG/L		UJ			
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U							.5 PCI/L	.2	U
URANIUM, TOTAL				1.01 UG/L	.11	J							.2 UG/L	.1	-
URANIUM-234				1 PCI/L		U							.4 PCI/L	.3	U
THORIUM-230				1 PCI/L		U							.3 PCI/L	.3	J
RADIUM-226				1 PCI/L		UNV							1.1 PCI/L	.3	-
URANIUM-235/236				1 PCI/L		U							.2 PCI/L	.8	U
THORIUM-232				1 PCI/L		U							.3 PCI/L	.2	U
THORIUM, TOTAL				3.38 UG/L		U									
RADIUM-228				3 PCI/L		U							3 PCI/L	1.1	U
THORIUM-228				1 PCI/L		U							.3 PCI/L	.3	U
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		UJ									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									

SAMPLE NUMBER:	004226			004226			120051-1			120051-1			120051		
LAB:	IT			IT			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137				20 PCI/L		R									
GROSS ALPHA													3.8 PCI/L	1.9	NV
GROSS BETA													5.6 PCI/L	3.2	UNV
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		UJ			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120051	120051F	120051F	003086	003086
TASK:	50.03.23	50.03.23	50.03.23	3.2.4	3.2.4
LAB:	FERMCO	CORE	FERMCO	IT	IT/RSL
WELL OR BORING NUMBER:	2068	2068	2068	2068	2068
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-JUN-93	08-JUN-93	08-JUN-93	11-APR-88	11-APR-88
NORTH COORDINATE:	478683	478683	478683	478683	478683
EAST COORDINATE:	1381391	1381391	1381391	1381391	1381391
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ARSENIC													.2 MG/L		UJ
BARIUM													.122 MG/L		-
CADMIUM													.002 MG/L		UJ
CALCIUM													93.7 MG/L		-
CHROMIUM													.02 MG/L		-
COPPER													.01 MG/L		-
IRON													.005 MG/L		-
LEAD													.1 MG/L		J
MAGNESIUM													2.27 MG/L		-
MANGANESE													.005 MG/L		-
MERCURY													.0002 MG/L		-
MOLYBDENUM													.02 MG/L		-
NICKEL													.02 MG/L		-
POTASSIUM													8.13 MG/L		-
SELENIUM													.2 MG/L		-
SILVER													.01 MG/L		UJ
SODIUM													34.32 MG/L		-
RADIONUCLIDES															
URANIUM-238				.6 PCI/L	.3	-				1 PCI/L		UJ			
URANIUM, TOTAL	1.8 UG/L		NV	.2 UG/L	.1	-	.1 UG/L		UNV	1 UG/L		U			
URANIUM-234				.7 PCI/L	.3	-				1 PCI/L		UJ			
THORIUM-230				.2 PCI/L	.2	UJ				1 PCI/L		UJ			
RADIUM-226				1 PCI/L	.4	U				1 PCI/L		UJ			
URANIUM-235/236				.2 PCI/L	.3	U				1 PCI/L		UJ			
THORIUM-232				.3 PCI/L	.2	UJ				1 PCI/L		UJ			

SAMPLE NUMBER:	120051			120051F			120051F			003086			003086		
LAB:	FERMCO			CORE			FERMCO			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
RADIUM-228				3 PCI/L	1.3	U				3 PCI/L		U			
THORIUM-228				.2 PCI/L	.2	UJ				1 PCI/L		UJ			
NEPTUNIUM-237										1 PCI/L		UJ			
PLUTONIUM-239/240										1 PCI/L		UJ			
PLUTONIUM-238										1 PCI/L		UJ			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA				3.7 PCI/L	1.7	UNV									
GROSS BETA				2.6 PCI/L	1.6	UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003086	EMGW_SYSGEN_651	EMGW_SYSGEN_651	EMGW_SYSGEN_651D	EMGW_SYSGEN_651D
TASK:	3.2.4	GWMON	GWMON	GWMON	GWMON
LAB:	IT/RSL	IT	NET	IT	NET
WELL OR BORING NUMBER:	2068	2068	2068	2068	2068
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-APR-88	12-SEP-90	12-SEP-90	12-SEP-90	12-SEP-90
NORTH COORDINATE:	478683	478683	478683	478683	478683
EAST COORDINATE:	1381391	1381391	1381391	1381391	1381391
QA TYPE:	NORMAL	NORMAL	NORMAL	DUPLICATE	DUPLICATE
QC OF:				EMGW_SYSGEN_651	EMGW_SYSGEN_651
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							33 MG/L		NV				100 MG/L		NV
AMMONIA	.45 MG/L		-												
CHLORIDE	22.8 MG/L		-				69 MG/L		NV				63 MG/L		NV
FLUORIDE	.32 MG/L		-				.16 MG/L		NV				.1 MG/L		NV
HEXAVALENT CHROMIUM	.01 MG/L		R												
NITRATE	.1 MG/L		UJ				.05 MG/L		NV				.04 MG/L		NV
NITRATE, AS NITROGEN							.05 MG/L		NV				.04 MG/L		NV
PH	.02 MG/L		-				8.33 SU		NV				7.71 SU		NV
PHENOLS	.02 MG/L		-				.008 MG/L		NV				.013 MG/L		NV
PHOSPHORUS	.05 MG/L		-												
SPECIFIC CONDUCTIVITY							619 UMHOS/CM		NV				734 UMHOS/CM		NV
SULFATE	60 MG/L		-				186 MG/L		NV				172 MG/L		NV
TOTAL DISSOLVED SOLIDS							400 MG/L		NV				565 MG/L		NV
TOTAL ORGANIC CARBON							7 MG/L		NV				6 MG/L		NV
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV				.012 MG/L		NV
TOTAL ORGANIC NITROGEN	.33 MG/L		-												
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238				.22 PCI/L		UNV				.556 PCI/L		NV			
URANIUM, TOTAL				1 UG/L		UNV				1.66 UG/L		NV			
URANIUM-234				.365 PCI/L		NV				.676 PCI/L		NV			
THORIUM-230				.94 PCI/L		UNV				.84 PCI/L		UNV			

SAMPLE NUMBER:	003086			EMGW_SYSGEN_651			EMGW_SYSGEN_651			EMGW_SYSGEN_651D			EMGW_SYSGEN_651D		
LAB:	IT/RSL			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
RADIUM-226				1.04 PCI/L		NV				1.09 PCI/L		NV			
URANIUM-235/236				.22 PCI/L		UNV				.2 PCI/L		UNV			
THORIUM-232				.94 PCI/L		UNV				.84 PCI/L		UNV			
THORIUM, TOTAL				8.5 UG/L		UNV				7.6 UG/L		UNV			
RADIUM-228				3 PCI/L		UNV				3 PCI/L		UNV			
THORIUM-228				.94 PCI/L		UNV				.84 PCI/L		UNV			
GROSS ALPHA				10 PCI/L		UNV				9.8 PCI/L		UNV			
GROSS BETA				5.36 PCI/L		NV				7.74 PCI/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							60 UG/L		UNV				60 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1,2-TRICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,1-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV				1 UG/L		UNV
1,2-DICHLOROPROPANE							1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE							2 UG/L		UNV				2 UG/L		UNV
2-HEXANONE							2 UG/L		UNV				2 UG/L		UNV
4-METHYL-2-PENTANONE							2 UG/L		UNV				2 UG/L		UNV
ACETONE							2 UG/L		UNV				2 UG/L		UNV
BENZENE							1 UG/L		UNV				1 UG/L		UNV
BROMODICHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
BROMOFORM							1 UG/L		UNV				1 UG/L		UNV
BROMOMETHANE							1 UG/L		UNV				1 UG/L		UNV
CARBON DISULFIDE							1 UG/L		UNV				1 UG/L		UNV
CARBON TETRACHLORIDE							1 UG/L		UNV				1 UG/L		UNV
CHLOROBENZENE							1 UG/L		UNV				1 UG/L		UNV
CHLOROETHANE							1 UG/L		UNV				1 UG/L		UNV
CHLOROFORM							1 UG/L		UNV				1 UG/L		UNV
CHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
DIBROMOCHLOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
ETHYLBENZENE							1 UG/L		UNV				1 UG/L		UNV
METHYLENE CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
STYRENE							1 UG/L		UNV				1 UG/L		UNV

SAMPLE NUMBER:	003086			EMGW_SYSGEN_651			EMGW_SYSGEN_651			EMGW_SYSGEN_651D			EMGW_SYSGEN_651D		
LAB:	IT/RSL			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TETRACHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
TOLUENE							1 UG/L		UNV				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV				1 UG/L		UNV
TRICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE							2 UG/L		UNV				2 UG/L		UNV
VINYL CHLORIDE							1 UG/L		UNV				1 UG/L		UNV
XYLENES, TOTAL							1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003834			003834			003361			003361			003230		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2068			2068			2068			2068			2068		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-JAN-89			19-JAN-89			21-JUL-88			21-JUL-88			23-MAY-88		
NORTH COORDINATE:	478683			478683			478683			478683			478683		
EAST COORDINATE:	1381391			1381391			1381391			1381391			1381391		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.415 MG/L		-				.1 MG/L		U			
CHLORIDE				19 MG/L		-				26 MG/L		-			
FLUORIDE				.17 MG/L		-				.3 MG/L		-			
NITRATE				.1 MG/L		UJ				.1 MG/L		R			
PHENOLS				.01 MG/L		R				.01 MG/L		U			
PHOSPHORUS				541 MG/L		-				.01 MG/L		U			
SULFATE				136 MG/L		-				114 MG/L		-			
TOTAL KJELDAHL NITROGEN				.661 MG/L		-									
TOTAL ORGANIC HALIDES				.028 MG/L		-									
TOTAL ORGANIC NITROGEN				.246 MG/L		-				.1 MG/L		UJ			
INORGANICS															
ARSENIC	.002 MG/L		U				.3 MG/L		J				.2 MG/L		U
BARIUM	.099 MG/L		-				.077 MG/L		-				.05 MG/L		U
CADMIUM	.005 MG/L		-				.002 MG/L		U				.005 MG/L		U
CALCIUM	115 MG/L		-				81.6 MG/L		-				27.5 MG/L		-
CHROMIUM	.028 MG/L		-				.02 MG/L		U				.02 MG/L		U
COPPER	.013 MG/L		-				.01 MG/L		U				.01 MG/L		U
IRON	2.57 MG/L		-				1.89 MG/L		J				.1 MG/L		-
LEAD	.002 MG/L		UJ				.05 MG/L		U				.05 MG/L		U
MAGNESIUM	28.8 MG/L		-				20.6 MG/L		-				9.8 MG/L		-
MANGANESE	.21 MG/L		-				.159 MG/L		-				.02 MG/L		U
MERCURY	.0002 MG/L		U				.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM	.02 MG/L		U				.02 MG/L		U				.03 MG/L		-
NICKEL	.022 MG/L		-				.02 MG/L		U				.02 MG/L		U
POTASSIUM	3.37 MG/L		-				3.68 MG/L		-				5.99 MG/L		

SAMPLE NUMBER:	003834			003834			003361			003361			003230		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.002 MG/L		UJ				.2 MG/L		U				.2 MG/L		U
SILVER	.0005 MG/L		U				.01 MG/L		U				.01 MG/L		U
SODIUM	20.3 MG/L		-				17 MG/L		-				26.4 MG/L		-
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		R			
URANIUM, TOTAL				1 UG/L		U				2 UG/L	1	R			
URANIUM-234				1 PCI/L		U				1 PCI/L		R			
THORIUM-230				1 PCI/L		U				1 PCI/L		R			
RADIUM-226				1 PCI/L		U				1 PCI/L		R			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		R			
THORIUM-232				1 PCI/L		U				1 PCI/L		R			
THORIUM, TOTAL				3 UG/L		U				2 UG/L		R			
RADIUM-228				3 PCI/L		U				3 PCI/L		R			
THORIUM-228				1 PCI/L		U				1 PCI/L		R			
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		R			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		R			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		R			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		R			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		R			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003230			003640			003640			EMGW_SYSGEN_649			EMGW_SYSGEN_649		
TASK:	3.2.4			3.2.4			3.2.4			GWMON			GWMON		
LAB:	IT			IT			IT			IT			NET		
WELL OR BORING NUMBER:	2068			2068			2068			2068			2068		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	23-MAY-88			25-OCT-88			25-OCT-88			27-APR-90			27-APR-90		
NORTH COORDINATE:	478683			478683			478683			478683			478683		
EAST COORDINATE:	1381391			1381391			1381391			1381391			1381391		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.4 MG/L		J				.1 MG/L		U						
CHLORIDE	164 MG/L		-				22.5 MG/L		-				27 MG/L		NV
FLUORIDE	.34 MG/L		J				.36 MG/L		-						
NITRATE	.1 MG/L		-				.1 MG/L		R				.02 MG/L		UNV
NITRATE, AS NITROGEN													.02 MG/L		UNV
PHENOLS	.01 MG/L		UJ				.01 MG/L		U						
PHOSPHORUS	.1 MG/L		-				.02 MG/L		U						
SULFATE	94 MG/L		-				76 MG/L		J				197 MG/L		NV
TOTAL KJELDAHL NITROGEN							.234 MG/L		-						
TOTAL ORGANIC CARBON													1 MG/L		UNV
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN	.3 MG/L		J				.177 MG/L		-						
INORGANICS															
ARSENIC				.002 MG/L		U									
BARIUM				.092 MG/L		-									
CADMIUM				.002 MG/L		U									
CALCIUM				103 MG/L		-									
CHROMIUM				.02 MG/L		U									
COPPER				.01 MG/L		U									
IRON				2.19 MG/L		-									
LEAD				.002 MG/L		U									
MAGNESIUM				25.8 MG/L		-									
MANGANESE				.198 MG/L		-									
MERCURY				.0002 MG/L		U									

SAMPLE NUMBER:	003230			003640			003640			EMGW_SYSGEN_649			EMGW_SYSGEN_649		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM				.02 MG/L		U									
NICKEL				.02 MG/L		U									
POTASSIUM				2.91 MG/L		J									
SELENIUM				.002 MG/L		U									
SILVER				.01 MG/L		UJ									
SODIUM				20.6 MG/L		-									
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	1 PCI/L		UJ				1 PCI/L		UJ	.32 PCI/L		UNV			
URANIUM, TOTAL	3 UG/L	1	R				1 UG/L		U	1 UG/L		UNV			
URANIUM-234	1 PCI/L		UJ				1 PCI/L		UJ	.32 PCI/L		UNV			
THORIUM-230	1 PCI/L		UJ				1 PCI/L		UJ	7.5 PCI/L		NV			
RADIUM-226	1 PCI/L		U				1 PCI/L		U	1 PCI/L		UNV			
URANIUM-235/236	1 PCI/L		UJ				1 PCI/L		UJ	.32 PCI/L		UNV			
THORIUM-232	1 PCI/L		UJ				1 PCI/L		UJ	.35 PCI/L		UNV			
THORIUM, TOTAL							3 UG/L		UJ	1.8 UG/L		UNV			
RADIUM-228	3 PCI/L		UJ				3 PCI/L		U	3 PCI/L		UNV			
THORIUM-228	1 PCI/L		UJ				1 PCI/L		UJ	.35 PCI/L		UNV			
NEPTUNIUM-237	1 PCI/L		UJ				1 PCI/L		UJ						
PLUTONIUM-239/240	1 PCI/L		UJ				1 PCI/L		UJ						
PLUTONIUM-238	1 PCI/L		UJ				1 PCI/L		UJ						
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		UJ				30 PCI/L		U						
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R						
CESIUM-137	20 PCI/L		R				20 PCI/L		R						
GROSS ALPHA										9.4 PCI/L		UNV			
GROSS BETA										27 PCI/L		UNV			
SEMIVOLATILES															
1,3-DICHLOROBENZENE													1 UG/L		UNV
1,4-DICHLOROBENZENE													1 UG/L		UNV
2-CHLOROETHYLVINYL ETHER													60 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV

SAMPLE NUMBER:	003230			003640			003640			EMGW_SYSGEN_649			EMGW_SYSGEN_649		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
TRICHLOROFLUOROMETHANE													1 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_650	EMGW_SYSGEN_650	EMGW_SYSGEN_653	EMGW_SYSGEN_653	EMGW_SYSGEN_653
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	IT	NET	NET	NET	WMCO
WELL OR BORING NUMBER:	2068	2068	2068	2068	2068
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JUN-90	28-JUN-90	29-OCT-91	29-OCT-91	29-OCT-91
NORTH COORDINATE:	478683	478683	478683	478683	478683
EAST COORDINATE:	1381391	1381391	1381391	1381391	1381391
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										16 MG/L		NV			
BICARBONATE										15 MG/L		NV			
CARBONATE ALKALINITY										1 MG/L		NV			
CHLORIDE				31 MG/L		NV				65 MG/L		NV			
NITRATE, AS NITROGEN				.05 MG/L		NV				.02 MG/L		UNV			
PH										9.31 SU		NV			
SPECIFIC CONDUCTIVITY										500 UMHOS/CM		NV			
SULFATE				232 MG/L		NV				155 MG/L		NV			
TOTAL DISSOLVED SOLIDS										298 MG/L		NV			
TOTAL ORGANIC CARBON				6 MG/L		NV				2 MG/L		NV			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV				.039 MG/L		NV			
INORGANICS															
ALUMINUM							.2 MG/L		UNV						
ANTIMONY							.02 MG/L		UNV						
ARSENIC							.005 MG/L		UNV						
BARIUM							.2 MG/L		UNV						
BERYLLIUM							.005 MG/L		UNV						
CADMIUM							.001 MG/L		UNV						
CALCIUM							49 MG/L		NV						
CHROMIUM										.002 MG/L		UNV			
COBALT							.005 MG/L		UNV						
COPPER							.02 MG/L		UNV						
IRON							.13 MG/L		NV						
LEAD							.003 MG/L		UNV						
MAGNESIUM							11.5 MG/L		NV						

SAMPLE NUMBER:	EMGW_SYSGEN_650			EMGW_SYSGEN_650			EMGW_SYSGEN_653			EMGW_SYSGEN_653			EMGW_SYSGEN_653		
LAB:	IT			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE							.014 MG/L		UNV						
MERCURY							.0002 MG/L		NV						
MOLYBDENUM							.01 MG/L		UNV						
NICKEL							.01 MG/L		UNV						
POTASSIUM							5.7 MG/L		NV						
SELENIUM							.005 MG/L		UNV						
SILVER							.001 MG/L		UNV						
SODIUM							29.8 MG/L		NV						
THALLIUM							.01 MG/L		UNV						
VANADIUM							.05 MG/L		UNV						
ZINC							.02 MG/L		UNV						
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	1.22 PCI/L		NV												
URANIUM, TOTAL	3.65 UG/L		NV										.6 UG/L		NV
URANIUM-234	1.41 PCI/L		NV												
THORIUM-230	.23 PCI/L		UNV												
RADIUM-226	1 PCI/L		UNV												
URANIUM-235/236	.21 PCI/L		UNV												
THORIUM-232	.23 PCI/L		UNV												
THORIUM, TOTAL	2.1 UG/L		UNV												
RADIUM-228	3 PCI/L		UNV												
THORIUM-228	.954 PCI/L		NV												
GROSS ALPHA	15 PCI/L		UNV												
GROSS BETA	9.4 PCI/L		UNV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_650			EMGW_SYSGEN_650			EMGW_SYSGEN_653			EMGW_SYSGEN_653			EMGW_SYSGEN_653		
LAB:	IT			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROPROPANE				1 UG/L		UNV				1 UG/L		UNV			
2-BUTANONE				2 UG/L		UNV				2 UG/L		UNV			
2-HEXANONE				2 UG/L		UNV				2 UG/L		UNV			
4-METHYL-2-PENTANONE				2 UG/L		UNV				2 UG/L		UNV			
ACETONE				2 UG/L		UNV				2 UG/L		UNV			
BENZENE				1 UG/L		UNV				1 UG/L		UNV			
BROMODICHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
BROMOFORM				1 UG/L		UNV				1 UG/L		UNV			
BROMOMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CARBON DISULFIDE				1 UG/L		UNV				1 UG/L		UNV			
CARBON TETRACHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROBENZENE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM				1 UG/L		UNV				1 UG/L		UNV			
CHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
ETHYLBENZENE				1 UG/L		UNV				1 UG/L		UNV			
METHYLENE CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
STYRENE				1 UG/L		UNV				1 UG/L		UNV			
TETRACHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
TOLUENE				1 UG/L		UNV				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
TRICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
VINYL ACETATE				2 UG/L		UNV				2 UG/L		UNV			
VINYL CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
XYLENES, TOTAL				1 UG/L		UNV				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_657	EMGW_SYSGEN_657	003662	003662	EMGW_SYSGEN_656
TASK:	GWMON	GWMON	3.2.4	3.2.4	GWMON
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	2069	2069	2069	2069	2069
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-SEP-90	06-SEP-90	07-NOV-88	07-NOV-88	12-JUN-90
NORTH COORDINATE:	476416.3	476416.3	476416.3	476416.3	476416.3
EAST COORDINATE:	1380705.58	1380705.58	1380705.58	1380705.58	1380705.58
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				213 MG/L		NV									
AMMONIA										.1 MG/L		U			
CHLORIDE				42 MG/L		NV				33.9 MG/L		-			
FLUORIDE				.14 MG/L		NV				.21 MG/L		-			
NITRATE				5.95 MG/L		NV				.05 MG/L		U			
NITRATE, AS NITROGEN				5.95 MG/L		NV									
PH				7.29 SU		NV				.01 MG/L		UJ			
PHENOLS				.005 MG/L		UNV				.01 MG/L		UJ			
PHOSPHORUS										.568 MG/L		-			
SPECIFIC CONDUCTIVITY				646 UMHOS/CM		NV									
SULFATE				67 MG/L		NV				93.7 MG/L		-			
TOTAL DISSOLVED SOLIDS				548 MG/L		NV									
TOTAL KJELDAHL NITROGEN										1.22 MG/L		-			
TOTAL ORGANIC CARBON				2 MG/L		NV									
TOTAL ORGANIC HALIDES										.05 MG/L		U			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										1.22 MG/L		-			
INORGANICS															
ARSENIC							.002 MG/L		U						
BARIUM							.04 MG/L		-						
CADMIUM							.002 MG/L		U						
CALCIUM							80 MG/L		-						
CHROMIUM							.02 MG/L		U						
COPPER							.01 MG/L		U						
IRON							.05 MG/L		-						

SAMPLE NUMBER:	EMGW_SYSGEN_657			EMGW_SYSGEN_657			003662			003662			EMGW_SYSGEN_656		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD							.002 MG/L		R						
MAGNESIUM							22.2 MG/L		-						
MANGANESE							.02 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.02 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							2.15 MG/L		J						
SELENIUM							.002 MG/L		UJ						
SILVER							.01 MG/L		U						
SODIUM							18.7 MG/L		-						
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	2.45 PCI/L		NV							4.3 PCI/L	.8	-	4.73 PCI/L		NV
URANIUM, TOTAL	7.34 UG/L		NV							12 UG/L	2	-	14.2 UG/L		NV
URANIUM-234	2.04 PCI/L		NV							3.9 PCI/L	.8	-	5.19 PCI/L		NV
THORIUM-230	.39 PCI/L		UNV							1 PCI/L		U	.61 PCI/L		NV
RADIUM-226	1 PCI/L		UNV							1 PCI/L		U	1 PCI/L		UNV
URANIUM-235/236	.2 PCI/L		UNV							1 PCI/L		U	.404 PCI/L		NV
THORIUM-232	.39 PCI/L		UNV							1 PCI/L		U	.2 PCI/L		UNV
THORIUM, TOTAL	3.5 UG/L		UNV							4 UG/L		U	1.6 UG/L		UNV
RADIUM-228	3 PCI/L		UNV							3 PCI/L		U	3.8 PCI/L		UNV
THORIUM-228	.39 PCI/L		UNV							1 PCI/L		U	.888 PCI/L		NV
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		R			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA	5.2 PCI/L		UNV										17.9 PCI/L		NV
GROSS BETA	7.96 PCI/L		NV										12 PCI/L		UNV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				60 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_657			EMGW_SYSGEN_657			003662			003662			EMGW_SYSGEN_656		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_656	003120	003120	003861	003861
TASK:	GWMON	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	NET	IT	IT	IT	IT
WELL OR BORING NUMBER:	2069	2069	2069	2069	2069
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-JUN-90	24-APR-88	24-APR-88	24-JAN-89	24-JAN-89
NORTH COORDINATE:	476416.3	476416.3	476416.3	476416.3	476416.3
EAST COORDINATE:	1380705.58	1380705.58	1380705.58	1380705.58	1380705.58
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U				.1 MG/L		UJ
CHLORIDE	51 MG/L		NV				43 MG/L		-				28 MG/L		J
FLUORIDE							.34 MG/L		-				.3 MG/L		J
NITRATE	5.58 MG/L		NV				3.2 MG/L		-				2.7 MG/L		J
NITRATE, AS NITROGEN	5.58 MG/L		NV												
PHENOLS							.01 MG/L		U				.01 MG/L		UJ
PHOSPHORUS							.11 MG/L		-				.1 MG/L		UJ
SULFATE	50 MG/L		NV				88 MG/L		-				51 MG/L		J
TOTAL KJELDAHL NITROGEN													.1 MG/L		UJ
TOTAL ORGANIC CARBON	18 MG/L		NV												
TOTAL ORGANIC HALIDES													.01 MG/L		R
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.1 MG/L		U				.1 MG/L		UJ
INORGANICS															
ARSENIC				.2 MG/L		U				.002 MG/L		UJ			
BARIUM				.02 MG/L		-				.04 MG/L		J			
CADMIUM				.005 MG/L		U				.004 MG/L		J			
CALCIUM				84.8 MG/L		-				84.3 MG/L		J			
CHROMIUM				.02 MG/L		U				.02 MG/L		J			
COPPER				.01 MG/L		U				.01 MG/L		UJ			
IRON				.005 MG/L		U				.056 MG/L		J			
LEAD				.06 MG/L		-				.002 MG/L		UJ			
MAGNESIUM				25 MG/L		-				24.3 MG/L		J			
MANGANESE				.002 MG/L		U				.003 MG/L		J			
MERCURY				.0002 MG/L		U				.0002 MG/L		UJ			

SAMPLE NUMBER:	EMGW_SYSGEN_656			003120			003120			003861			003861		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM				.025 MG/L		-				.02 MG/L		UJ			
NICKEL				.02 MG/L		U				.02 MG/L		UJ			
POTASSIUM				2.48 MG/L		-				2.26 MG/L		J			
SELENIUM				.2 MG/L		U				.002 MG/L		UJ			
SILVER				.01 MG/L		U				.0005 MG/L		UJ			
SODIUM				21.4 MG/L		-				14.9 MG/L		J			
RADIONUCLIDES															
URANIUM-238							1.7 PCI/L	.7	J				4 PCI/L	.7	-
URANIUM, TOTAL							6 UG/L	1	R				12 UG/L	2	J
URANIUM-234							2.2 PCI/L	.8	J				3.5 PCI/L	.6	-
THORIUM-230							1 PCI/L		UJ				1 PCI/L		U
RADIUM-226							1 PCI/L		UJ				1 PCI/L		U
URANIUM-235/236							1 PCI/L		UJ				1 PCI/L		U
THORIUM-232							1 PCI/L		UJ				1 PCI/L		U
THORIUM, TOTAL													2 UG/L		U
RADIUM-228							3 PCI/L		R				3 PCI/L		UJ
THORIUM-228							1 PCI/L		UJ				1 PCI/L		U
NEPTUNIUM-237							1 PCI/L		UJ				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		R				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		R				1 PCI/L		U
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												

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SAMPLE NUMBER:	EMGW_SYSGEN_656			003120			003120			003861			003861		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_658	EMGW_SYSGEN_658	EMGW_SYSGEN_658	004227	004227
TASK:	GWMON	GWMON	GWMON	3.2.4	3.2.4
LAB:	NET	NET	WMCO	IT	IT
WELL OR BORING NUMBER:	2069	2069	2069	2069	2069
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-SEP-91	24-SEP-91	24-SEP-91	25-APR-90	25-APR-90
NORTH COORDINATE:	476416.3	476416.3	476416.3	476416.3	476416.3
EAST COORDINATE:	1380705.58	1380705.58	1380705.58	1380705.58	1380705.58
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				218 MG/L		NV									
AMMONIA													.1 MG/L		U
BICARBONATE				216 MG/L		NV									
CARBONATE ALKALINITY				2 MG/L		NV									
CHLORIDE				26 MG/L		NV							62 MG/L		J
FLUORIDE													.3 MG/L		-
NITRATE				4.3 MG/L		NV							5.4 MG/L		J
NITRATE, AS NITROGEN				4.3 MG/L		NV									
PH				7.72 SU		NV							.023 MG/L		-
PHENOLS													.023 MG/L		-
PHOSPHORUS													.04 MG/L		-
SPECIFIC CONDUCTIVITY				650 UMHOS/CM		NV									
SULFATE				61 MG/L		NV							53.8 MG/L		-
SULFIDE													.5 MG/L		UJ
TOTAL DISSOLVED SOLIDS				354 MG/L		NV									
TOTAL ORGANIC CARBON				8 MG/L		NV							1 MG/L		J
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN													.2 MG/L		-
INORGANICS															
ALUMINUM	.2 MG/L		UNV							.072 MG/L		-			
ANTIMONY	.02 MG/L		UNV												
ARSENIC	.005 MG/L		UNV							.002 MG/L		U			
BARIUM	.2 MG/L		UNV							.05 MG/L		-			
BERYLLIUM	.005 MG/L		UNV												
CADMIUM	.001 MG/L		UNV							.004 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_658			EMGW_SYSGEN_658			EMGW_SYSGEN_658			004227			004227		
LAB:	NET			NET			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	51 MG/L		NV							103 MG/L		-			
CHROMIUM				.0048 MG/L		NV				.019 MG/L		-			
COBALT	.005 MG/L		UNV												
COPPER	.02 MG/L		UNV							.014 MG/L		U			
IRON	.1 MG/L		UNV							.011 MG/L		-			
LEAD	.003 MG/L		UNV							.002 MG/L		U			
MAGNESIUM	18 MG/L		NV							29.1 MG/L		-			
MANGANESE	.015 MG/L		UNV							.004 MG/L		-			
MERCURY	.0002 MG/L		UNV							.0002 MG/L		U			
MOLYBDENUM	.01 MG/L		UNV							.01 MG/L		U			
NICKEL	.01 MG/L		UNV							.02 MG/L		U			
POTASSIUM	1.7 MG/L		NV							2.6 MG/L		-			
SELENIUM	.005 MG/L		UNV							.003 MG/L		U			
SILICON										2.1 MG/L		-			
SILVER	.001 MG/L		UNV							.01 MG/L		U			
SODIUM	15 MG/L		NV							21.3 MG/L		-			
THALLIUM	.01 MG/L		UNV												
VANADIUM	.01 MG/L		UNV							.012 MG/L		-			
ZINC	.02 MG/L		UNV												
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238													3.68 PCI/L	.6	-
URANIUM, TOTAL							3.6 UG/L		NV				11.6 UG/L	1.9	-
URANIUM-234													4.28 PCI/L	.67	-
THORIUM-230													1 PCI/L		U
RADIUM-226													1 PCI/L		U
URANIUM-235/236													1 PCI/L		U
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													4.7 UG/L		U
RADIUM-228													3 PCI/L		UJ
THORIUM-228													1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R

SAMPLE NUMBER:	EMGW_SYSGEN_658			EMGW_SYSGEN_658			EMGW_SYSGEN_658			004227			004227		
LAB:	NET			NET			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137													20 PCI/L		R
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003427	003427	GW930106-1	GW930106-1	GW930106-1
TASK:	3.2.4	3.2.4	RCRA	RCRA	RCRA
LAB:	IT	IT	CORE	FERMCO Laboratory	NET
WELL OR BORING NUMBER:	2069	2069	2070	2070	2070
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-JUL-88	26-JUL-88	06-JAN-93	06-JAN-93	06-JAN-93
NORTH COORDINATE:	476416.3	476416.3	476752	476752	476752
EAST COORDINATE:	1380705.58	1380705.58	1382029	1382029	1382029
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U									
CHLORIDE				41 MG/L		-									
FLUORIDE				1 MG/L		-									
NITRATE				9.3 MG/L		J									
PHENOLS				.05 MG/L		U									
PHOSPHORUS				.03 MG/L		-									
SULFATE				56 MG/L		-									
TOTAL DISSOLVED SOLIDS													196 MG/L		NV
TOTAL ORGANIC NITROGEN				.1 MG/L		U									
INORGANICS															
ALUMINUM													.2 MG/L		UNV
ANTIMONY													.02 MG/L		UNV
ARSENIC	.01 MG/L		UJ										.005 MG/L		UNV
BARIUM	.2 MG/L		UJ										.2 MG/L		UNV
BERYLLIUM													.005 MG/L		UNV
CADMIUM	.005 MG/L		UJ										.001 MG/L		UNV
CALCIUM	90 MG/L		-										87 MG/L		NV
CHROMIUM	.01 MG/L		UJ										.002 MG/L		UNV
COBALT													.005 MG/L		UNV
COPPER	.025 MG/L		UJ										.02 MG/L		UNV
IRON	.1 MG/L		UJ										1.28 MG/L		NV
LEAD	.2 MG/L		UJ										.003 MG/L		UNV
MAGNESIUM	29 MG/L		-										24.6 MG/L		NV
MANGANESE	.015 MG/L		UJ										.185 MG/L		NV
MERCURY	.0005 MG/L		-										.0002 MG/L		UNV

SAMPLE NUMBER:	003427			003427			GW930106-1			GW930106-1			GW930106-1		
LAB:	IT			IT			CORE			FERMCO Laboratory			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.05 MG/L		U										.01 MG/L		UNV
NICKEL	.04 MG/L		UJ										.01 MG/L		UNV
POTASSIUM	5 MG/L		UJ												
SELENIUM	.005 MG/L		UJ										.005 MG/L		UNV
SILVER	.01 MG/L		UJ										.001 MG/L		UNV
SODIUM	21 MG/L		-												
THALLIUM													.01 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238				5.6 PCI/L	1	J									
URANIUM, TOTAL				13 UG/L	2	J	.5 UG/L		NV	.8 UG/L		NV			
URANIUM-234				4.4 PCI/L	.8	J									
THORIUM-230				1 PCI/L		UJ	.3 PCI/L	.1	NV						
RADIUM-226				1 PCI/L		U	1 PCI/L	.3	UNV						
URANIUM-235/236				1 PCI/L		UJ									
THORIUM-232				1 PCI/L		UJ	.2 PCI/L	.1	UNV						
THORIUM, TOTAL				3 UG/L		UJ	.9 UG/L		NV						
RADIUM-228				3 PCI/L		U	3 PCI/L	1.2	UNV						
THORIUM-228				1 PCI/L		UJ	.2 PCI/L	.1	UNV						
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		UJ									
PLUTONIUM-238				1 PCI/L		UJ									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA							.4 PCI/L	1.2	UNV						
GROSS BETA							6.6 PCI/L	1.5	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930106-1	GW930407-6	GW930407-6	GW930407-6	GW930407-6
TASK:	RCRA	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	NET	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	2070	2070	2070	2070	2070
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-JAN-93	07-APR-93	07-APR-93	07-APR-93	07-APR-93
NORTH COORDINATE:	476752	476752	476752	476752	476752
EAST COORDINATE:	1382029	1382029	1382029	1382029	1382029
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	177 MG/L		NV												
ALLYL CHLORIDE	5 UG/L		UNV												
AMMONIA	.04 MG/L		NV												
BICARBONATE ALKALINITY	214 MG/L		NV												
CARBONATE ALKALINITY	3 MG/L		NV												
CHLORIDE	5 MG/L		NV												
FLUORIDE	.16 MG/L		NV												
NITRATE	.54 MG/L		NV												
NITRITE, AS NITROGEN	.02 MG/L		UNV												
PH	7.87 SU		NV												
PHENOLS	.01 MG/L		UNV												
PHOSPHORUS	.1 MG/L		UNV												
SPECIFIC CONDUCTIVITY	447 UMHOS/CM		NV												
SULFATE	45 MG/L		NV												
TOTAL ORGANIC CARBON	2 MG/L		NV												
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL SOLIDS	231 MG/L		NV												
INORGANICS															
ALUMINUM	.2 MG/L		UNV												
ANTIMONY	.02 MG/L		UNV												
ARSENIC	.005 MG/L		UNV												
BARIUM	.2 MG/L		UNV												
BERYLLIUM	.005 MG/L		UNV												
CADMIUM	.001 MG/L		UNV												
CALCIUM	87 MG/L		NV												

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SAMPLE NUMBER:	GW930106-1			GW930407-6			GW930407-6			GW930407-6			GW930407-6		
LAB:	NET			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM	.002 MG/L		UNV												
COBALT	.005 MG/L		UNV												
COPPER	.02 MG/L		UNV												
CYANIDE	.005 MG/L		UNV												
IRON	1.37 MG/L		NV												
LEAD	.003 MG/L		UNV												
MAGNESIUM	25.3 MG/L		NV												
MANGANESE	.192 MG/L		NV												
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	.01 MG/L		UNV												
NICKEL	.01 MG/L		UNV												
POTASSIUM	3.8 MG/L		NV												
SELENIUM	.005 MG/L		UNV												
SILVER	.001 MG/L		UNV												
SODIUM	22 MG/L		NV												
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV												
ZINC	.02 MG/L		UNV												
MISC															
1,2,3-TRICHLOROPROPANE	5 UG/L		UNV												
1,2-DIBROMO-3-CHLOROPROPANE	2 UG/L		UNV												
1,2-DIBROMOETHANE	2 UG/L		UNV												
2-CHLORO-1,3-BUTADIENE	5 UG/L		UNV												
ACROLEIN	50 UG/L		UNV												
ACROLEIN	50 UG/L		UNV												
ACROLEIN	50 UG/L		UNV												
ACROLEIN	50 UG/L		UNV												
ACRYLONITRILE	50 UG/L		UNV												
DICHLORODIFLUOROMETHANE	10 UG/L		UNV												
ETHYL CYANIDE	20 UG/L		UNV												
ETHYL METHACRYLATE	5 UG/L		UNV												
IODOMETHANE	5 UG/L		UNV												
METHACRYLONITRILE	5 UG/L		UNV												
METHYL METHACRYLATE	5 UG/L		UNV												
PENTACHLOROETHANE	5 UG/L		UNV												
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
TRANS-1,4-DICHLORO-2-BUTENE	20 UG/L		UNV												
RADIONUCLIDES															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

URANIUM-238				.5 PCI/L	.4	J	.5 PCI/L	.2	J						
SAMPLE NUMBER:	GW930106-1			GW930407-6			GW930407-6			GW930407-6			GW930407-6		
LAB:	NET			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL				1.1 UG/L	.1	-	1.2 UG/L	.1	-	.7 UG/L		NV	1.1 UG/L		NV
URANIUM-234				.7 PCI/L	.5	J	.7 PCI/L	.3	J						
THORIUM-230				.2 PCI/L	.3	UJ	.4 PCI/L	.2	UJ						
RADIUM-226				1 PCI/L	.2	U	1 PCI/L	.2	UJ						
URANIUM-235/236				.2 PCI/L	.5	UJ	.2 PCI/L	.3	UJ						
THORIUM-232				.2 PCI/L	.3	UJ	.3 PCI/L	.1	UJ						
THORIUM, TOTAL				.91200496 PCI/L	.3	NV									
RADIUM-228				3 PCI/L	.9	U	3 PCI/L	1	UJ						
THORIUM-228				.2 PCI/L	.6	UJ	.4 PCI/L	.1	UJ						
GROSS ALPHA				3.1 PCI/L	1.6	UNV	2.5 PCI/L	1.5	UNV						
GROSS BETA				6.5 PCI/L	1.7	NV	3.2 PCI/L	1.9	UNV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
CUMENE	1 UG/L		UNV												
VOLATILES															
1,1,1,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	10 UG/L		UNV												
2-HEXANONE	10 UG/L		UNV												
4-METHYL-2-PENTANONE	10 UG/L		UNV												
ACETONE	10 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	5 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	10 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	10 UG/L		UNV												

SAMPLE NUMBER:	GW930106-1			GW930407-6			GW930407-6			GW930407-6			GW930407-6		
LAB:	NET			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	10 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
TRICHLOROFLUOROMETHANE	1 UG/L		UNV												
VINYL ACETATE	10 UG/L		UNV												
VINYL CHLORIDE	5 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930407-6	GW930407-6	EMGW_SYSGEN_664	EMGW_SYSGEN_664	003087
TASK:	50.03.23	50.03.23	GWMON	GWMON	3.2.4
LAB:	LOCKHEED	LOCKHEED	IT	NET	IT
WELL OR BORING NUMBER:	2070	2070	2070	2070	2070
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-APR-93	07-APR-93	08-JAN-91	08-JAN-91	11-APR-88
NORTH COORDINATE:	476752	476752	476752	476752	476752
EAST COORDINATE:	1382029	1382029	1382029	1382029	1382029
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				270 MG/L		-				241 MG/L		NV			
AMMONIA				.05 MG/L		U				.02 MG/L		UNV			
BICARBONATE ALKALINITY				270 MG/L		-									
CARBONATE ALKALINITY				30 MG/L		U									
CHLORIDE				39 MG/L		-				8 MG/L		NV			
FLUORIDE				.15 MG/L		U				.14 MG/L		NV			
NITRATE/NITRITE				.05 MG/L		U				.06 MG/L		NV			
PH				7.3 SU		-				7.55 SU		NV			
PHENOLS				.15 MG/L		U				.005 MG/L		UNV			
PHOSPHORUS				.03 MG/L		U				.12 MG/L		NV			
SPECIFIC CONDUCTIVITY				600 UMHOS/CM		-				550 UMHOS/CM		NV			
SULFATE				69 MG/L		-				64 MG/L		NV			
TOTAL DISSOLVED SOLIDS	410 MG/L		-							378 MG/L		NV			
TOTAL ORGANIC CARBON				1.8 MG/L		-				7 MG/L		NV			
TOTAL ORGANIC HALIDES				.045 MG/L		U									
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN				0 MG/L		-									
TOTAL SOLIDS				400 MG/L		-									
INORGANICS															
ALUMINUM	.036 MG/L		U	.036 MG/L		U									
ANTIMONY	.031 MG/L		U	.031 MG/L		UJ									
ARSENIC	.002 MG/L		-	.0028 MG/L		U									
BARIUM	.0642 MG/L		-	.0595 MG/L		-									
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									
CADMIUM	.003 MG/L		U	.003 MG/L		U									

SAMPLE NUMBER:	GW930407-6			GW930407-6			EMGW_SYSGEN_664			EMGW_SYSGEN_664			003087		
LAB:	LOCKHEED			LOCKHEED			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	102 MG/L		-	94.5 MG/L		-									
CHROMIUM	.003 MG/L		U	.003 MG/L		U									
COBALT	.009 MG/L		U	.009 MG/L		U									
COPPER	.005 MG/L		U	.005 MG/L		U									
CYANIDE	.00002 MG/L		U	.00002 MG/L		U				.005 MG/L		UNV			
IRON	1.43 MG/L		-	1.3 MG/L		-									
LEAD	.002 MG/L		U	.003 MG/L		J									
MAGNESIUM	27.9 MG/L		-	26.4 MG/L		-									
MANGANESE	.296 MG/L		J	.258 MG/L		J									
MERCURY	.0002 MG/L		U	.0002 MG/L		U									
NICKEL	.031 MG/L		U	.031 MG/L		U									
POTASSIUM	2.75 MG/L		-	2.79 MG/L		-									
SELENIUM	.002 MG/L		UJ	.002 MG/L		UJ									
SILVER	.0046 MG/L		-	.003 MG/L		U									
SODIUM	21.1 MG/L		-	19.6 MG/L		-									
THALLIUM	.003 MG/L		UJ	.003 MG/L		U									
VANADIUM	.007 MG/L		U	.007 MG/L		U									
ZINC	.0027 MG/L		-	.0115 MG/L		U									
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238							3.51 PCI/L		NV				1 PCI/L		UJ
URANIUM, TOTAL							4.86 UG/L		NV				1 UG/L		U
URANIUM-234							3.82 PCI/L		NV				1 PCI/L		UJ
THORIUM-230							.53 PCI/L		UNV				1 PCI/L		UJ
RADIUM-226							1 PCI/L		UNV				1 PCI/L		UJ
URANIUM-235/236							.68 PCI/L		UNV				1 PCI/L		UJ
THORIUM-232							.53 PCI/L		UNV				1 PCI/L		UJ
THORIUM, TOTAL							4.7 UG/L		UNV						
RADIUM-228							3 PCI/L		UNV				3 PCI/L		U
THORIUM-228							.823 PCI/L		NV				1 PCI/L		UJ
NEPTUNIUM-237													1 PCI/L		UJ
PLUTONIUM-239/240													1 PCI/L		UJ
PLUTONIUM-238													1 PCI/L		UJ
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R

SAMPLE NUMBER:	GW930407-6			GW930407-6			EMGW_SYSGEN_664			EMGW_SYSGEN_664			003087		
LAB:	LOCKHEED			LOCKHEED			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
GROSS ALPHA							8 PCI/L		UNV						
GROSS BETA							5.5 PCI/L		UNV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,1-DICHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,1-DICHLOROETHENE				10 UG/L		U				1 UG/L		UNV			
1,2-DICHLOROETHANE				10 UG/L		U				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U				1 UG/L		UNV			
1,2-DICHLOROPROPANE				10 UG/L		U				1 UG/L		UNV			
2-BUTANONE				10 UG/L		U				2 UG/L		UNV			
2-HEXANONE				10 UG/L		U				2 UG/L		UNV			
4-METHYL-2-PENTANONE				10 UG/L		U				2 UG/L		UNV			
ACETONE				10 UG/L		U				2 UG/L		UNV			
BENZENE				10 UG/L		UJ				1 UG/L		UNV			
BROMODICHLOROMETHANE				10 UG/L		U				1 UG/L		UNV			
BROMOFORM				10 UG/L		U				1 UG/L		UNV			
BROMOMETHANE				10 UG/L		U				1 UG/L		UNV			
CARBON DISULFIDE				10 UG/L		U				1 UG/L		UNV			
CARBON TETRACHLORIDE				10 UG/L		U				1 UG/L		UNV			
CHLOROBENZENE				10 UG/L		UJ				1 UG/L		UNV			
CHLOROETHANE				10 UG/L		UJ				1 UG/L		UNV			
CHLOROFORM				10 UG/L		U				1 UG/L		UNV			
CHLOROMETHANE				10 UG/L		U				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				10 UG/L		U				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				10 UG/L		U				1 UG/L		UNV			
ETHYLBENZENE				10 UG/L		UJ				1 UG/L		UNV			
METHYLENE CHLORIDE				10 UG/L		U				1 UG/L		UNV			
STYRENE				10 UG/L		UJ				1 UG/L		UNV			
TETRACHLOROETHENE				10 UG/L		U				1 UG/L		UNV			
TOLUENE				10 UG/L		UJ				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U				1 UG/L		UNV			
TRICHLOROETHENE				10 UG/L		U				1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE				10 UG/L		U				1 UG/L		UNV			

SAMPLE NUMBER:	GW930407-6			GW930407-6			EMGW_SYSGEN_664			EMGW_SYSGEN_664			003087		
LAB:	LOCKHEED			LOCKHEED			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL				10 UG/L		UJ				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003087	003087	EMGW_SYSGEN_662	EMGW_SYSGEN_662	EMGW_SYSGEN_663
TASK:	3.2.4	3.2.4	GWMON	GWMON	GWMON
LAB:	IT/RSL	IT/RSL	IT	NET	IT
WELL OR BORING NUMBER:	2070	2070	2070	2070	2070
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-APR-88	11-APR-88	12-JUN-90	12-JUN-90	12-SEP-90
NORTH COORDINATE:	476752	476752	476752	476752	476752
EAST COORDINATE:	1382029	1382029	1382029	1382029	1382029
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		-									
CHLORIDE				23.6 MG/L		-				51 MG/L		NV			
FLUORIDE				.32 MG/L		-									
HEXAVALENT CHROMIUM				.01 MG/L		R									
NITRATE				.1 MG/L		-				.02 MG/L		UNV			
NITRATE, AS NITROGEN										.02 MG/L		UNV			
PHENOLS				.01 MG/L		-									
PHOSPHORUS				.05 MG/L		-									
SULFATE				65 MG/L		-				60 MG/L		NV			
TOTAL ORGANIC CARBON										2 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN				.24 MG/L		-									
INORGANICS															
ARSENIC	.2 MG/L		-												
BARIUM	.032 MG/L		-												
CADMIUM	.002 MG/L		-												
CALCIUM	42 MG/L		-												
CHROMIUM	.02 MG/L		-												
COPPER	.01 MG/L		-												
IRON	.005 MG/L		-												
LEAD	.05 MG/L		UJ												
MAGNESIUM	10.71 MG/L		-												
MANGANESE	.021 MG/L		-												
MERCURY	.0002 MG/L		-												
MOLYBDENUM	.03 MG/L		-												

SAMPLE NUMBER:	003087			003087			EMGW_SYSGEN_662			EMGW_SYSGEN_662			EMGW_SYSGEN_663		
LAB:	IT/RSL			IT/RSL			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.02 MG/L		-												
POTASSIUM	4.78 MG/L		-												
SELENIUM	.2 MG/L		-												
SILVER	.01 MG/L		-												
SODIUM	16.26 MG/L		-												
RADIONUCLIDES															
URANIUM-238							.582 PCI/L		NV				.922 PCI/L		NV
URANIUM, TOTAL							1.75 UG/L		NV				2.78 UG/L		NV
URANIUM-234							.456 PCI/L		NV				.584 PCI/L		NV
THORIUM-230							3.24 PCI/L		NV				.906 PCI/L		NV
RADIUM-226													1 PCI/L		UNV
URANIUM-235/236							.21 PCI/L		UNV				.21 PCI/L		UNV
THORIUM-232							.447 PCI/L		NV				.35 PCI/L		UNV
THORIUM, TOTAL							4.04 UG/L		NV				3.1 UG/L		UNV
RADIUM-228													3 PCI/L		UNV
THORIUM-228							1.19 PCI/L		NV				.35 PCI/L		UNV
GROSS ALPHA							13 PCI/L		UNV				5.4 PCI/L		UNV
GROSS BETA							12 PCI/L		UNV				5.28 PCI/L		NV
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			

SAMPLE NUMBER:	003087			003087			EMGW_SYSGEN_662			EMGW_SYSGEN_662			EMGW_SYSGEN_663		
LAB:	IT/RSL			IT/RSL			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_663	003831	003831	EMGW_SYSGEN_665	EMGW_SYSGEN_665
TASK:	GWMON	3.2.4	3.2.4	GWMON	GWMON
LAB:	NET	IT	IT	NET	NET
WELL OR BORING NUMBER:	2070	2070	2070	2070	2070
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-SEP-90	18-JAN-89	18-JAN-89	19-SEP-91	19-SEP-91
NORTH COORDINATE:	476752	476752	476752	476752	476752
EAST COORDINATE:	1382029	1382029	1382029	1382029	1382029
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	147 MG/L		NV										213 MG/L		NV
AMMONIA							.142 MG/L		-						
BICARBONATE													211 MG/L		NV
CARBONATE ALKALINITY													2 MG/L		NV
CHLORIDE	9 MG/L		NV				61 MG/L		-				9 MG/L		NV
FLUORIDE	.2 MG/L		NV				.074 MG/L		-						
NITRATE	.46 MG/L		NV				.17 MG/L		J				.12 MG/L		NV
NITRATE, AS NITROGEN	.46 MG/L		NV										.12 MG/L		NV
PH	7.62 SU		NV				.13 MG/L		R				7.55 SU		NV
PHENOLS	.005 MG/L		UNV				.13 MG/L		R						
PHOSPHORUS							45.4 MG/L		-						
SPECIFIC CONDUCTIVITY	391 UMHOS/CM		NV										499 UMHOS/CM		NV
SULFATE	36 MG/L		NV				61 MG/L		-				51 MG/L		NV
TOTAL DISSOLVED SOLIDS	225 MG/L		NV										297 MG/L		NV
TOTAL KJELDAHL NITROGEN							.184 MG/L		J						
TOTAL ORGANIC CARBON	3 MG/L		NV										8 MG/L		NV
TOTAL ORGANIC HALIDES							.012 MG/L		J						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV										.01 MG/L		UNV
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
INORGANICS															
ALUMINUM										.2 MG/L		UNV			
ANTIMONY										.02 MG/L		UNV			
ARSENIC				.002 MG/L		U				.005 MG/L		UNV			
BARIUM				.062 MG/L		-				.2 MG/L		UNV			
BERYLLIUM										.005 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_663			003831			003831			EMGW_SYSGEN_665			EMGW_SYSGEN_665		
LAB:	NET			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM				.004 MG/L		-				.001 MG/L		UNV			
CALCIUM				96.7 MG/L		-				48 MG/L		NV			
CHROMIUM				.027 MG/L		-							.0035 MG/L		NV
COBALT										.005 MG/L		UNV			
COPPER				.013 MG/L		-				.02 MG/L		UNV			
IRON				1.74 MG/L		-				.1 MG/L		UNV			
LEAD				.002 MG/L		UJ				.003 MG/L		UNV			
MAGNESIUM				24.8 MG/L		-				14 MG/L		NV			
MANGANESE				.224 MG/L		-				.018 MG/L		NV			
MERCURY				.0002 MG/L		U				.0002 MG/L		UNV			
MOLYBDENUM				.02 MG/L		U				.01 MG/L		UNV			
NICKEL				.021 MG/L		-				.01 MG/L		UNV			
POTASSIUM				3.4 MG/L		J				1.8 MG/L		NV			
SELENIUM				.002 MG/L		U				.005 MG/L		UNV			
SILVER				.0005 MG/L		U				.001 MG/L		UNV			
SODIUM				22 MG/L		-				10 MG/L		NV			
THALLIUM										.01 MG/L		UNV			
VANADIUM										.05 MG/L		UNV			
ZINC										.02 MG/L		NV			
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238							1 PCI/L		R						
URANIUM, TOTAL							1 UG/L		U						
URANIUM-234							1 PCI/L		R						
THORIUM-230							1 PCI/L		U						
RADIUM-226							1 PCI/L		U						
URANIUM-235/236							1 PCI/L		R						
THORIUM-232							1 PCI/L		U						
THORIUM, TOTAL							4 UG/L		U						
RADIUM-228							3 PCI/L		U						
THORIUM-228							1 PCI/L		U						
NEPTUNIUM-237							1 PCI/L		UJ						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U						
RUTHENIUM-106							150 PCI/L		R						

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SAMPLE NUMBER:	EMGW_SYSGEN_663			003831			003831			EMGW_SYSGEN_665			EMGW_SYSGEN_665		
LAB:	NET			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137							20 PCI/L		R						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	60 UG/L		UNV										10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1,2-TRICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1-DICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,1-DICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV										1 UG/L		UNV
1,2-DICHLOROPROPANE	1 UG/L		UNV										1 UG/L		UNV
2-BUTANONE	2 UG/L		UNV										2 UG/L		UNV
2-HEXANONE	2 UG/L		UNV										2 UG/L		UNV
4-METHYL-2-PENTANONE	2 UG/L		UNV										2 UG/L		UNV
ACETONE	2 UG/L		UNV										2 UG/L		UNV
BENZENE	1 UG/L		UNV										1 UG/L		UNV
BROMODICHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
BROMOFORM	1 UG/L		UNV										1 UG/L		UNV
BROMOMETHANE	1 UG/L		UNV										1 UG/L		UNV
CARBON DISULFIDE	1 UG/L		UNV										1 UG/L		UNV
CARBON TETRACHLORIDE	1 UG/L		UNV										1 UG/L		UNV
CHLOROBENZENE	1 UG/L		UNV										1 UG/L		UNV
CHLOROETHANE	1 UG/L		UNV										1 UG/L		UNV
CHLOROFORM	1 UG/L		UNV										1 UG/L		UNV
CHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV										1 UG/L		UNV
DIBROMOCHLOROMETHANE	1 UG/L		UNV										1 UG/L		UNV
ETHYLBENZENE	1 UG/L		UNV										1 UG/L		UNV
METHYLENE CHLORIDE	1 UG/L		UNV										1 UG/L		UNV
STYRENE	1 UG/L		UNV										1 UG/L		UNV
TETRACHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
TOLUENE	1 UG/L		UNV										1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV										1 UG/L		UNV
TRICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
VINYL ACETATE	2 UG/L		UNV										2 UG/L		UNV
VINYL CHLORIDE	1 UG/L		UNV										1 UG/L		UNV
XYLENES, TOTAL	1 UG/L		UNV										1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003363	003363	GW930722-1	GW930722-1	GW930722-1
TASK:	3.2.4	3.2.4	RCRA	RCRA	RCRA
LAB:	IT	IT	CORE	FERMCO	NET
WELL OR BORING NUMBER:	2070	2070	2070	2070	2070
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-JUL-88	22-JUL-88	22-JUL-93	22-JUL-93	22-JUL-93
NORTH COORDINATE:	476752	476752	476752	476752	476752
EAST COORDINATE:	1382029	1382029	1382029	1382029	1382029
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U									
CHLORIDE				52.5 MG/L		-									
FLUORIDE				.14 MG/L		-									
NITRATE				.1 MG/L		R									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.01 MG/L		U									
SULFATE				26 MG/L		J									
TOTAL DISSOLVED SOLIDS													200 MG/L		-
TOTAL ORGANIC NITROGEN				.1 MG/L		UJ									
INORGANICS															
ALUMINUM													.02 MG/L		U
ANTIMONY													.03 MG/L		U
ARSENIC	.28 MG/L		J										.003 MG/L		U
BARIUM	.056 MG/L		-										.0502 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM	.002 MG/L		U										.003 MG/L		U
CALCIUM	99.9 MG/L		-										78.8 MG/L		J
CHROMIUM	.02 MG/L		U										.006 MG/L		U
COBALT													.005 MG/L		U
COPPER	.01 MG/L		U										.009 MG/L		U
IRON	2.44 MG/L		J										1.28 MG/L		J
LEAD	.05 MG/L		U										.0036 MG/L		J
MAGNESIUM	25.6 MG/L		-										22.2 MG/L		J
MANGANESE	.232 MG/L		-										.228 MG/L		J
MERCURY	.0049 MG/L		-										.0002 MG/L		U

SAMPLE NUMBER:	003363			003363			GW930722-1			GW930722-1			GW930722-1		
LAB:	IT			IT			CORE			FERMCO			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.02 MG/L		U												
NICKEL	.02 MG/L		U										.01 MG/L		U
POTASSIUM	2.69 MG/L		-										3.13 MG/L		-
SELENIUM	.2 MG/L		U										.001 MG/L		U
SILVER	.027 MG/L		-										.004 MG/L		U
SODIUM	17.2 MG/L		-										17.2 MG/L		J
THALLIUM													.002 MG/L		U
VANADIUM													.003 MG/L		U
ZINC													.0338 MG/L		U
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U	.3 PCI/L	.3	J						
URANIUM, TOTAL				1 UG/L	1	-	.7 UG/L	.1	-	.8 UG/L		NV			
URANIUM-234				1 PCI/L		UJ	.3 PCI/L	.4	J						
THORIUM-230				1 PCI/L		U	.2 PCI/L	.2	UJ						
RADIUM-226				1 PCI/L		UJ	1 PCI/L	.4	UJ						
URANIUM-235/236				1 PCI/L		U	.2 PCI/L	.2	UJ						
THORIUM-232				1 PCI/L		U	.2 PCI/L	.2	U						
THORIUM, TOTAL				2 UG/L		UJ									
RADIUM-228				3 PCI/L		U	3 PCI/L	1	UJ						
THORIUM-228				1 PCI/L		U	.2 PCI/L	.5	U						
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U	1.1 PCI/L	1.6	R						
PLUTONIUM-238				1 PCI/L		U	-.2 PCI/L	4.9	R						
STRONTIUM-90				5 PCI/L		U	1.4 PCI/L		R						
TECHNETIUM-99				30 PCI/L		U	14.8 PCI/L	8.7	R						
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R	21.9 PCI/L	11.9	UJ						
GROSS ALPHA							2.3 PCI/L	1.4	NV						
GROSS BETA							4 PCI/L	1.7	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930722-1			GW930722-5			GW930722-5			GW930722-5			GW930722-5		
TASK:	RCRA			RCRA			RCRA			RCRA			RCRA		
LAB:	NET			CORE			FERMCO			NET			NET		
WELL OR BORING NUMBER:	2070			2070			2070			2070			2070		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-JUL-93			22-JUL-93			22-JUL-93			22-JUL-93			22-JUL-93		
NORTH COORDINATE:	476752			476752			476752			476752			476752		
EAST COORDINATE:	1382029			1382029			1382029			1382029			1382029		
QA TYPE:	NORMAL			DUPLICATE			DUPLICATE			DUPLICATE			DUPLICATE		
QC OF:				GW930722-1			GW930722-1			GW930722-1			GW930722-1		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	158 MG/L		-										186 MG/L		-
AMMONIA	.06 MG/L		UJ										.03 MG/L		UJ
BICARBONATE ALKALINITY	189 MG/L		J										250 MG/L		J
CARBONATE ALKALINITY	3 MG/L		U										3 MG/L		U
CHLORIDE	5 MG/L		-										5 MG/L		-
FLUORIDE	.15 MG/L		-										.19 MG/L		-
NITRATE/NITRITE	.23 MG/L		J										.2 MG/L		J
PH	7.69 SU		-										8.14 SU		-
PHENOLS	.013 MG/L		J										.01 MG/L		UJ
PHOSPHORUS	.1 MG/L		U										.1 MG/L		U
SPECIFIC CONDUCTIVITY	367 UMHOS/CM		-										418 UMHOS/CM		-
SULFATE	36 MG/L		-										39 MG/L		-
TOTAL DISSOLVED SOLIDS										243 MG/L		-			
TOTAL ORGANIC CARBON	4 MG/L		J										1 MG/L		UJ
TOTAL ORGANIC HALIDES	.01 MG/L		U										.01 MG/L		U
TOTAL SOLIDS	381 MG/L		-										379 MG/L		-
INORGANICS															
ALUMINUM	.141 MG/L		-							.02 MG/L		U	.0809 MG/L		U
ANTIMONY	.03 MG/L		U							.03 MG/L		U	.03 MG/L		U
ARSENIC	.003 MG/L		U							.003 MG/L		U	.003 MG/L		U
BARIUM	.0404 MG/L		-							.0504 MG/L		-	.0444 MG/L		-
BERYLLIUM	.001 MG/L		U							.001 MG/L		U	.001 MG/L		U
CADMIUM	.0045 MG/L		-							.003 MG/L		U	.0059 MG/L		-
CALCIUM	52.1 MG/L		-							82.5 MG/L		J	64.1 MG/L		-
CHROMIUM	.006 MG/L		U							.006 MG/L		U	.009 MG/L		U

SAMPLE NUMBER:	GW930722-1			GW930722-5			GW930722-5			GW930722-5			GW930722-5		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT	.005 MG/L		U							.005 MG/L		U	.005 MG/L		U
COPPER	.0126 MG/L		U							.003 MG/L		U	.0073 MG/L		U
CYANIDE	.01 MG/L		UJ										.01 MG/L		UJ
IRON	.333 MG/L		-							1.33 MG/L		J	.335 MG/L		-
LEAD	.0049 MG/L		J							.002 MG/L		UJ	.0022 MG/L		-
MAGNESIUM	12.7 MG/L		-							22.8 MG/L		J	15.9 MG/L		-
MANGANESE	.0519 MG/L		-							.238 MG/L		J	.0494 MG/L		-
MERCURY	.0002 MG/L		U							.0002 MG/L		U	.0002 MG/L		U
NICKEL	.01 MG/L		U							.01 MG/L		U	.01 MG/L		U
POTASSIUM	1.21 MG/L		-							2.98 MG/L		J	.87 MG/L		-
SELENIUM	.001 MG/L		U							.001 MG/L		U	.001 MG/L		U
SILVER	.004 MG/L		U							.004 MG/L		U	.004 MG/L		U
SODIUM	6.33 MG/L		-							17.1 MG/L		J	6.36 MG/L		-
THALLIUM	.002 MG/L		U							.002 MG/L		U	.002 MG/L		U
VANADIUM	.003 MG/L		U							.003 MG/L		U	.003 MG/L		U
ZINC	.0265 MG/L		U							.0114 MG/L		U	.0204 MG/L		U
PESTICIDES															
4,4'-DDD	.1 UG/L		U										.099 UG/L		U
4,4'-DDE	.1 UG/L		U										.099 UG/L		U
4,4'-DDT	.1 UG/L		U										.099 UG/L		U
ALDRIN	.05 UG/L		U										.05 UG/L		U
ALPHA-BHC	.05 UG/L		U										.05 UG/L		U
ALPHA-CHLORDANE	.05 UG/L		U										.05 UG/L		U
AROCLOR-1016	1 UG/L		U										.99 UG/L		U
AROCLOR-1221	2 UG/L		U										2 UG/L		U
AROCLOR-1232	1 UG/L		U										.99 UG/L		U
AROCLOR-1242	1 UG/L		U										.99 UG/L		U
AROCLOR-1248	1 UG/L		U										.99 UG/L		U
AROCLOR-1254	1 UG/L		U										.99 UG/L		U
AROCLOR-1260	1 UG/L		U										.99 UG/L		U
BETA-BHC	.05 UG/L		U										.05 UG/L		U
DELTA-BHC	.05 UG/L		U										.05 UG/L		U
DIELDRIN	.1 UG/L		U										.099 UG/L		U
ENDOSULFAN II	.1 UG/L		U										.099 UG/L		U
ENDOSULFAN SULFATE	.1 UG/L		U										.099 UG/L		U
ENDOSULFAN-I	.05 UG/L		U										.05 UG/L		U
ENDRIN	.1 UG/L		U										.099 UG/L		U
ENDRIN ALDEHYDE	.1 UG/L		U										.099 UG/L		U
ENDRIN KETONE	.1 UG/L		U										.099 UG/L		U
GAMMA-BHC (LINDANE)	.05 UG/L		U										.05 UG/L		U

SAMPLE NUMBER:	GW930722-1			GW930722-5			GW930722-5			GW930722-5			GW930722-5		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
GAMMA-CHLORDANE	.05 UG/L		U										.05 UG/L		U
HEPTACHLOR	.05 UG/L		U										.05 UG/L		U
HEPTACHLOR EPOXIDE	.05 UG/L		U										.05 UG/L		U
METHOXYCHLOR	.5 UG/L		U										.5 UG/L		U
TOXAPHENE	5 UG/L		U										5 UG/L		U
RADIONUCLIDES															
URANIUM-238				.2 PCI/L	1.6	UJ									
URANIUM, TOTAL				1 UG/L	.1	-	.6 UG/L		NV						
URANIUM-234				.4 PCI/L	1.6	J									
THORIUM-230				.3 PCI/L	.2	UJ									
RADIUM-226				1 PCI/L	.3	U									
URANIUM-235/236				.2 PCI/L	.1	U									
THORIUM-232				.2 PCI/L	.1	U									
RADIUM-228				3 PCI/L	1.2	U									
THORIUM-228				.2 PCI/L	.2	U									
PLUTONIUM-239/240				1.3 PCI/L	2.4	NV									
PLUTONIUM-238				.5 PCI/L	2.7	UNV									
STRONTIUM-90				1 PCI/L	.3	U									
TECHNETIUM-99				15 PCI/L	8.8	U									
CESIUM-137				4 PCI/L	1.5	UNV									
GROSS ALPHA				1.8 PCI/L	1	U									
GROSS BETA				2.4 PCI/L	1.5	U									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,3-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,4-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
2,4,5-TRICHLOROPHENOL	26 UG/L		U										26 UG/L		U
2,4,6-TRICHLOROPHENOL	10 UG/L		U										10 UG/L		U
2,4-DICHLOROPHENOL	10 UG/L		U										10 UG/L		U
2,4-DIMETHYLPHENOL	10 UG/L		U										10 UG/L		U
2,4-DINITROPHENOL	26 UG/L		U										26 UG/L		U
2,4-DINITROTOLUENE	10 UG/L		U										10 UG/L		U
2,6-DINITROTOLUENE	10 UG/L		U										10 UG/L		U
2-CHLORONAPHTHALENE	10 UG/L		U										10 UG/L		U
2-CHLOROPHENOL	10 UG/L		U										10 UG/L		U
2-METHYLNAPHTHALENE	10 UG/L		U										10 UG/L		U
2-METHYLPHENOL	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	GW930722-1			GW930722-5			GW930722-5			GW930722-5			GW930722-5		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-NITROANILINE	26 UG/L		U										26 UG/L		U
2-NITROPHENOL	10 UG/L		U										10 UG/L		U
3,3'-DICHLOROBENZIDINE	10 UG/L		U										10 UG/L		U
3-NITROANILINE	26 UG/L		U										26 UG/L		U
4,6-DINITRO-2-METHYLPHENOL	26 UG/L		U										26 UG/L		U
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U										10 UG/L		U
4-CHLORO-3-METHYLPHENOL	10 UG/L		U										10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U										10 UG/L		U
4-METHYLPHENOL	10 UG/L		U										10 UG/L		U
4-NITROANILINE	26 UG/L		U										26 UG/L		U
4-NITROPHENOL	26 UG/L		UJ										26 UG/L		UJ
ACENAPHTHENE	10 UG/L		U										10 UG/L		U
ACENAPHTHYLENE	10 UG/L		U										10 UG/L		U
ANTHRACENE	10 UG/L		U										10 UG/L		U
BENZO(A)ANTHRACENE	10 UG/L		U										10 UG/L		U
BENZO(A)PYRENE	10 UG/L		U										10 UG/L		U
BENZO(B)FLUORANTHENE	10 UG/L		U										10 UG/L		U
BENZO(G,H,I)PERYLENE	10 UG/L		U										10 UG/L		U
BENZO(K)FLUORANTHENE	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U										10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE	12 UG/L		U										21 UG/L		U
BUTYL BENZYL PHTHALATE	10 UG/L		U										10 UG/L		U
CARBAZOLE	10 UG/L		U										10 UG/L		U
CHRYSENE	10 UG/L		U										10 UG/L		U
DI-N-BUTYL PHTHALATE	10 UG/L		U										10 UG/L		U
DI-N-OCTYL PHTHALATE	10 UG/L		U										10 UG/L		U
DIBENZO(A,H)ANTHRACENE	10 UG/L		U										10 UG/L		U
DIBENZOFURAN	10 UG/L		U										10 UG/L		U
DIETHYL PHTHALATE	10 UG/L		U										10 UG/L		U
DIMETHYL PHTHALATE	10 UG/L		U										10 UG/L		U
FLUORANTHENE	10 UG/L		U										10 UG/L		U
FLUORENE	10 UG/L		U										10 UG/L		U
HEXACHLOROBENZENE	10 UG/L		U										10 UG/L		U
HEXACHLOROBUTADIENE	10 UG/L		U										10 UG/L		U
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U										10 UG/L		U
HEXACHLOROETHANE	10 UG/L		U										10 UG/L		U
INDENO(1,2,3-CD)PYRENE	10 UG/L		U										10 UG/L		U
ISOPHORONE	10 UG/L		U										10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	GW930722-1			GW930722-5			GW930722-5			GW930722-5			GW930722-5		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
N-NITROSODIPHENYLAMINE	10 UG/L		U										10 UG/L		U
NAPHTHALENE	10 UG/L		U										10 UG/L		U
NITROBENZENE	10 UG/L		U										10 UG/L		U
P-CHLOROANILINE	10 UG/L		U										10 UG/L		U
PENTACHLOROPHENOL	26 UG/L		U										26 UG/L		U
PHENANTHRENE	10 UG/L		U										10 UG/L		U
PHENOL	6 UG/L		J										4 UG/L		J
PYRENE	10 UG/L		U										10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1,2-TRICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1-DICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1-DICHLOROETHENE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U										10 UG/L		U
1,2-DICHLOROPROPANE	10 UG/L		U										10 UG/L		U
2-BUTANONE	63 UG/L		-										10 UG/L		U
2-HEXANONE	10 UG/L		U										10 UG/L		U
4-METHYL-2-PENTANONE	10 UG/L		U										10 UG/L		U
ACETONE	45 UG/L		J										10 UG/L		U
BENZENE	10 UG/L		U										10 UG/L		U
BROMODICHLOROMETHANE	10 UG/L		U										10 UG/L		U
BROMOFORM	10 UG/L		U										10 UG/L		U
BROMOMETHANE	10 UG/L		U										10 UG/L		U
CARBON DISULFIDE	10 UG/L		U										10 UG/L		U
CARBON TETRACHLORIDE	10 UG/L		U										10 UG/L		U
CHLOROBENZENE	10 UG/L		U										10 UG/L		U
CHLOROETHANE	10 UG/L		U										10 UG/L		U
CHLOROFORM	10 UG/L		U										10 UG/L		U
CHLOROMETHANE	10 UG/L		UJ										10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE	10 UG/L		U										10 UG/L		U
DIBROMOCHLOROMETHANE	10 UG/L		U										10 UG/L		U
ETHYLBENZENE	10 UG/L		U										10 UG/L		U
METHYLENE CHLORIDE	10 UG/L		U										10 UG/L		U
STYRENE	10 UG/L		U										10 UG/L		U
TETRACHLOROETHENE	10 UG/L		U										10 UG/L		U
TOLUENE	10 UG/L		U										10 UG/L		U
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U										10 UG/L		U
TRICHLOROETHENE	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	GW930722-1			GW930722-5			GW930722-5			GW930722-5			GW930722-5		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE	10 UG/L		U										10 UG/L		U
XYLENES, TOTAL	10 UG/L		U										10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930922-4	GW930922-4	GW930922-4	004228	004228
TASK:	RCRA	RCRA	RCRA	3.2.4	3.2.4
LAB:	CORE	FERMCO	NET	IT	IT
WELL OR BORING NUMBER:	2070	2070	2070	2070	2070
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-SEP-93	22-SEP-93	22-SEP-93	24-APR-90	24-APR-90
NORTH COORDINATE:	476752	476752	476752	476752	476752
EAST COORDINATE:	1382029	1382029	1382029	1382029	1382029
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							112 MG/L		-						
AMMONIA							.02 MG/L		U				.1 MG/L		U
BICARBONATE ALKALINITY							159 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE							5 MG/L		-				59 MG/L		-
FLUORIDE							.1 MG/L		-				.2 MG/L		-
NITRATE							.05 MG/L		J				.03 MG/L		J
NITRATE/NITRITE							.05 MG/L		J						
PH							7.6 SU		-				.005 MG/L		U
PHENOLS							.01 MG/L		U				.005 MG/L		U
PHOSPHORUS							.1 MG/L		UR				.01 MG/L		-
SPECIFIC CONDUCTIVITY							312 UMHOS/CM		-						
SULFATE							14 MG/L		-				71.2 MG/L		-
SULFIDE													.5 MG/L		UJ
TOTAL DISSOLVED SOLIDS							159 MG/L		-						
TOTAL KJELDAHL NITROGEN							.23 MG/L		U						
TOTAL ORGANIC CARBON							1 MG/L		U				1 MG/L		U
TOTAL ORGANIC HALIDES							.01 MG/L		U						
TOTAL ORGANIC NITROGEN							.23 MG/L		-				.1 MG/L		U
TOTAL SOLIDS							181 MG/L		-						
INORGANICS															
ALUMINUM							.02 MG/L		U	.06 MG/L		U			
ANTIMONY							.03 MG/L		U						
ARSENIC							.002 MG/L		U	.002 MG/L		U			
BARIUM							.0087 MG/L		U	.063 MG/L		-			

SAMPLE NUMBER:	GW930922-4			GW930922-4			GW930922-4			004228			004228		
LAB:	CORE			FERMCO			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM							.001 MG/L		U						
CADMIUM							.003 MG/L		U	.002 MG/L		U			
CALCIUM							9.25 MG/L		-	90.6 MG/L		-			
CHROMIUM							.006 MG/L		U	.01 MG/L		U			
COBALT							.005 MG/L		U						
COPPER							.003 MG/L		U	.01 MG/L		U			
CYANIDE							.01 MG/L		U						
IRON							.14 MG/L		U	1.7 MG/L		-			
LEAD							.0022 MG/L		J	.002 MG/L		U			
MAGNESIUM							1.99 MG/L		-	24 MG/L		-			
MANGANESE							.0194 MG/L		-	.241 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			
NICKEL							.01 MG/L		U	.02 MG/L		U			
POTASSIUM							.452 MG/L		U	3.7 MG/L		-			
SELENIUM							.002 MG/L		U	.003 MG/L		U			
SILICON										1.9 MG/L		-			
SILVER							.004 MG/L		U	.01 MG/L		U			
SODIUM							1.08 MG/L		U	25.7 MG/L		-			
THALLIUM							.002 MG/L		U						
VANADIUM							.003 MG/L		U	.01 MG/L		U			
ZINC							.0124 MG/L		U						
RADIONUCLIDES															
URANIUM-238	.3 PCI/L	.2	J										1 PCI/L		U
URANIUM, TOTAL	.3 UG/L	.1	-	.5 UG/L		NV							1.3 UG/L	.26	-
URANIUM-234	.2 PCI/L	.2	UJ										1 PCI/L		U
THORIUM-230	.5 PCI/L	.3	-										1 PCI/L		U
RADIUM-226	1 PCI/L	.4	U										1 PCI/L		UNV
URANIUM-235/236	.2 PCI/L	.5	U										1 PCI/L		U
THORIUM-232	.2 PCI/L	.1	U										1 PCI/L		U
THORIUM, TOTAL													5.2 UG/L		U
RADIUM-228	3 PCI/L	1.1	U										3 PCI/L		UJ
THORIUM-228	.2 PCI/L	.2	UJ										1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		R
TECHNETIUM-99	15 PCI/L	7.4	U										30 PCI/L		R
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R

SAMPLE NUMBER:	GW930922-4			GW930922-4			GW930922-4			004228			004228		
LAB:	CORE			FERMCO			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
GROSS ALPHA	1.6 PCI/L	1	J												
GROSS BETA	9.6 PCI/L	1.5	-												
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							64 UG/L		J						
2-HEXANONE							10 UG/L		UJ						
4-METHYL-2-PENTANONE							10 UG/L		UJ						
ACETONE							17 UG/L		UJ						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		UJ						
CARBON DISULFIDE							2 UG/L		J						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							1 UG/L		J						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		UJ						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003642	003642	EMGW_SYSGEN_666	EMGW_SYSGEN_666	EMGW_SYSGEN_666
TASK:	3.2.4	3.2.4	GWMON	GWMON	GWMON
LAB:	IT	IT	NET	NET	WMCO
WELL OR BORING NUMBER:	2070	2070	2070	2070	2070
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-OCT-88	25-OCT-88	30-OCT-91	30-OCT-91	30-OCT-91
NORTH COORDINATE:	476752	476752	476752	476752	476752
EAST COORDINATE:	1382029	1382029	1382029	1382029	1382029
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										203 MG/L		NV			
AMMONIA				.1 MG/L		U									
BICARBONATE										201 MG/L		NV			
CARBONATE ALKALINITY										1 MG/L		NV			
CHLORIDE				65 MG/L		-				11 MG/L		NV			
FLUORIDE				.2 MG/L		-									
NITRATE				.1 MG/L		R				.22 MG/L		NV			
NITRATE, AS NITROGEN										.22 MG/L		NV			
PH				.01 MG/L		U				7.48 SU		NV			
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.02 MG/L		U									
SPECIFIC CONDUCTIVITY										504 UMHOS/CM		NV			
SULFATE				24 MG/L		J				60 MG/L		NV			
TOTAL DISSOLVED SOLIDS										253 MG/L		NV			
TOTAL KJELDAHL NITROGEN				.1 MG/L		U									
TOTAL ORGANIC CARBON										10 MG/L		NV			
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN				.1 MG/L		U									
INORGANICS															
ALUMINUM							.2 MG/L		UNV						
ANTIMONY							.02 MG/L		UNV						
ARSENIC	.002 MG/L		U				.005 MG/L		UNV						
BARIUM	.057 MG/L		-				.2 MG/L		UNV						
BERYLLIUM							.005 MG/L		UNV						

SAMPLE NUMBER:	003642			003642			EMGW_SYSGEN_666			EMGW_SYSGEN_666			EMGW_SYSGEN_666		
LAB:	IT			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM	.002 MG/L		U				.001 MG/L		UNV						
CALCIUM	91.2 MG/L		-				43.9 MG/L		NV						
CHROMIUM	.02 MG/L		U							.002 MG/L		UNV			
COBALT							.005 MG/L		UNV						
COPPER	.01 MG/L		U				.02 MG/L		UNV						
IRON	1.77 MG/L		-				.1 MG/L		UNV						
LEAD	.004 MG/L		-				.003 MG/L		UNV						
MAGNESIUM	23.8 MG/L		-				12.9 MG/L		NV						
MANGANESE	.204 MG/L		-				.015 MG/L		UNV						
MERCURY	.0002 MG/L		U				.0002 MG/L		UNV						
MOLYBDENUM	.02 MG/L		U				.01 MG/L		UNV						
NICKEL	.02 MG/L		U				.01 MG/L		UNV						
POTASSIUM	2.71 MG/L		J				1.8 MG/L		NV						
SELENIUM	.002 MG/L		U				.005 MG/L		UNV						
SILVER	.01 MG/L		UJ				.001 MG/L		UNV						
SODIUM	19.1 MG/L		-				10.1 MG/L		NV						
THALLIUM							.01 MG/L		UNV						
VANADIUM							.05 MG/L		UNV						
ZINC							.02 MG/L		UNV						
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				1 PCI/L		UJ									
URANIUM, TOTAL				1 UG/L		U							1.7 UG/L		NV
URANIUM-234				1 PCI/L		UJ									
THORIUM-230				1 PCI/L		UJ									
RADIUM-226				1 PCI/L		U									
URANIUM-235/236				1 PCI/L		UJ									
THORIUM-232				1 PCI/L		UJ									
THORIUM, TOTAL				2 UG/L		UJ									
RADIUM-228				3 PCI/L		U									
THORIUM-228				1 PCI/L		UJ									
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		UJ									
PLUTONIUM-238				1 PCI/L		UJ									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									

SAMPLE NUMBER:	003642			003642			EMGW_SYSGEN_666			EMGW_SYSGEN_666			EMGW_SYSGEN_666		
LAB:	IT			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137				20 PCI/L		R									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

001605

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_672	EMGW_SYSGEN_672	EMGW_SYSGEN_679	EMGW_SYSGEN_679	EMGW_SYSGEN_679
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	IT	NET	NET	NET	WMCO
WELL OR BORING NUMBER:	2071	2071	2084	2084	2084
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-OCT-90	25-OCT-90	03-JUL-91	03-JUL-91	03-JUL-91
NORTH COORDINATE:	481528	481528	481922.56	481922.56	481922.56
EAST COORDINATE:	1384984	1384984	1378940.3	1378940.3	1378940.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				283 MG/L		NV				427 MG/L		NV			
AMMONIA				.02 MG/L		UNV				.86 MG/L		NV			
CHLORIDE				24 MG/L		NV				113 MG/L		NV			
FLUORIDE				.18 MG/L		NV				.13 MG/L		NV			
NITRATE, AS NITROGEN										4.05 MG/L		NV			
NITRATE/NITRITE				6.82 MG/L		NV									
PH				7.15 SU		NV				6.83 SU		NV			
PHENOLS				.005 MG/L		UNV				.005 MG/L		UNV			
PHOSPHORUS				.18 MG/L		NV				.17 MG/L		NV			
SPECIFIC CONDUCTIVITY				742 UMHOS/CM		NV				1550 UMHOS/CM		NV			
SULFATE				87 MG/L		NV				313 MG/L		NV			
TOTAL DISSOLVED SOLIDS				564 MG/L		NV				842 MG/L		NV			
TOTAL ORGANIC CARBON				5 MG/L		NV				30 MG/L		NV			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV				.01 MG/L		UNV			
INORGANICS															
ALUMINUM							.2 MG/L		UNV	.53 MG/L		NV			
ANTIMONY							.02 MG/L		UNV	.02 MG/L		UNV			
ARSENIC							.005 MG/L		UNV	.005 MG/L		UNV			
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM							.05 MG/L		UNV	.05 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM							150 MG/L		NV	186 MG/L		NV			
CHROMIUM										.0217 MG/L		NV			
COBALT							.005 MG/L		UNV	.005 MG/L		UNV			
COPPER							.02 MG/L		UNV	.02 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_672			EMGW_SYSGEN_672			EMGW_SYSGEN_679			EMGW_SYSGEN_679			EMGW_SYSGEN_679		
LAB:	IT			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE				.04 MG/L		NV				.005 MG/L		UNV			
IRON							.7 MG/L		NV	4.71 MG/L		NV			
LEAD							.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM							42 MG/L		NV	54 MG/L		NV			
MANGANESE							1.271 MG/L		NV	1.355 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.01 MG/L		UNV	.01 MG/L		UNV			
NICKEL							.01 MG/L		UNV	.01 MG/L		UNV			
POTASSIUM							12 MG/L		NV	12 MG/L		NV			
SELENIUM							.005 MG/L		UNV	.005 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							62 MG/L		NV	64 MG/L		NV			
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.025 MG/L		NV	.02 MG/L		UNV			
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	1.29 PCI/L		NV												
URANIUM, TOTAL	2.77 UG/L		NV										12 UG/L		NV
URANIUM-234	1.17 PCI/L		NV												
THORIUM-230	.774 PCI/L		NV												
RADIUM-226	1 PCI/L		UNV												
URANIUM-235/236	.2 PCI/L		UNV												
THORIUM-232	.25 PCI/L		UNV												
THORIUM, TOTAL	2.3 UG/L		UNV												
RADIUM-228	3 PCI/L		UNV												
THORIUM-228	1.15 PCI/L		NV												
GROSS ALPHA	9.4 PCI/L		UNV												
GROSS BETA	7.53 PCI/L		NV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV				10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_672			EMGW_SYSGEN_672			EMGW_SYSGEN_679			EMGW_SYSGEN_679			EMGW_SYSGEN_679		
LAB:	IT			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROPROPANE				1 UG/L		UNV				1 UG/L		UNV			
2-BUTANONE				2 UG/L		UNV				2 UG/L		UNV			
2-HEXANONE				2 UG/L		UNV				2 UG/L		UNV			
4-METHYL-2-PENTANONE				2 UG/L		UNV				2 UG/L		UNV			
ACETONE				2 UG/L		UNV				2 UG/L		UNV			
BENZENE				1 UG/L		UNV				1 UG/L		UNV			
BROMODICHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
BROMOFORM				1 UG/L		UNV				1 UG/L		UNV			
BROMOMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CARBON DISULFIDE				1 UG/L		UNV				1 UG/L		UNV			
CARBON TETRACHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROBENZENE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROFORM				1 UG/L		UNV				1 UG/L		UNV			
CHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
ETHYLBENZENE				1 UG/L		UNV				1 UG/L		UNV			
METHYLENE CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
STYRENE				1 UG/L		UNV				1 UG/L		UNV			
TETRACHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
TOLUENE				1 UG/L		UNV				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
TRICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
VINYL ACETATE				2 UG/L		UNV				2 UG/L		UNV			
VINYL CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
XYLENES, TOTAL				1 UG/L		UNV				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930104-1	GW930104-1	GW930104-1	GW930104-1	003785
TASK:	RCRA	RCRA	RCRA	RCRA	3.2.4
LAB:	CORE	FERMCO Laboratory	NET	NET	IT
WELL OR BORING NUMBER:	2084	2084	2084	2084	2084
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-JAN-93	04-JAN-93	04-JAN-93	04-JAN-93	05-DEC-88
NORTH COORDINATE:	481922.56	481922.56	481922.56	481922.56	481922.56
EAST COORDINATE:	1378940.3	1378940.3	1378940.3	1378940.3	1378940.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										408 MG/L		NV			
ALLYL CHLORIDE										5 UG/L		UNV			
AMMONIA										2.62 MG/L		NV			
BICARBONATE ALKALINITY										550 MG/L		NV			
CARBONATE ALKALINITY										3 MG/L		UNV			
CHLORIDE										171 MG/L		NV			
FLUORIDE										.13 MG/L		NV			
NITRATE										11.2 MG/L		NV			
NITRITE, AS NITROGEN										.02 MG/L		UNV			
PH										6.97 SU		NV			
PHENOLS										.01 MG/L		UNV			
PHOSPHORUS										.1 MG/L		UNV			
SPECIFIC CONDUCTIVITY										2160 UMHOS/CM		NV			
SULFATE										600 MG/L		NV			
TOTAL DISSOLVED SOLIDS							1340 MG/L		NV						
TOTAL ORGANIC CARBON										23 MG/L		NV			
TOTAL ORGANIC HALIDES										.01 MG/L		UNV			
TOTAL SOLIDS										1450 MG/L		NV			
INORGANICS															
ALUMINUM							.2 MG/L		UNV	.2 MG/L		UNV			
ANTIMONY							.02 MG/L		UNV	.02 MG/L		UNV			
ARSENIC							.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		UJ
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV	.088 MG/L		-
BERYLLIUM							.005 MG/L		UNV	.005 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV	.002 MG/L		U

SAMPLE NUMBER:	GW930104-1			GW930104-1			GW930104-1			GW930104-1			003785		
LAB:	CORE			FERMCO Laboratory			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM							251 MG/L		NV	243 MG/L		NV	164 MG/L		-
CHROMIUM							.002 MG/L		UNV	.002 MG/L		UNV	.02 MG/L		U
COBALT							.005 MG/L		UNV	.005 MG/L		UNV			
COPPER							.02 MG/L		UNV	.02 MG/L		UNV	.01 MG/L		-
CYANIDE										.005 MG/L		UNV			
IRON							1.99 MG/L		NV	3.03 MG/L		NV	.166 MG/L		-
LEAD							.003 MG/L		UNV	.003 MG/L		UNV	.002 MG/L		UJ
MAGNESIUM							86.7 MG/L		NV	66.4 MG/L		NV	27 MG/L		-
MANGANESE							.893 MG/L		NV	.924 MG/L		NV	.02 MG/L		-
MERCURY							.0003 MG/L		NV	.0007 MG/L		NV	.0002 MG/L		UJ
MOLYBDENUM							.01 MG/L		UNV	.01 MG/L		UNV	.02 MG/L		U
NICKEL							.01 MG/L		UNV	.01 MG/L		UNV	.02 MG/L		U
POTASSIUM										15.4 MG/L		NV	10.5 MG/L		-
SELENIUM							.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		U
SILVER							.001 MG/L		UNV	.001 MG/L		UNV	.02 MG/L		U
SODIUM										74 MG/L		NV	42.6 MG/L		-
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.02 MG/L		UNV	.02 MG/L		UNV			
MISC															
1,2,3-TRICHLOROPROPANE										5 UG/L		UNV			
1,2-DIBROMO-3-CHLOROPROPANE										2 UG/L		UNV			
1,2-DIBROMOETHANE										2 UG/L		UNV			
2-CHLORO-1,3-BUTADIENE										5 UG/L		UNV			
ACROLEIN										50 UG/L		UNV			
ACROLEIN										50 UG/L		UNV			
ACROLEIN										50 UG/L		UNV			
ACROLEIN										50 UG/L		UNV			
ACRYLONITRILE										50 UG/L		UNV			
DICHLORODIFLUOROMETHANE										10 UG/L		UNV			
ETHYL CYANIDE										20 UG/L		UNV			
ETHYL METHACRYLATE										5 UG/L		UNV			
IODOMETHANE										5 UG/L		UNV			
METHACRYLONITRILE										5 UG/L		UNV			
METHYL METHACRYLATE										5 UG/L		UNV			
PENTACHLOROETHANE										5 UG/L		UNV			
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
TRANS-1,4-DICHLORO-2-BUTENE										20 UG/L		UNV			

001911

RADIONUCLIDES

URANIUM, TOTAL 20.3 UG/L NV | 21 UG/L NV
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930104-1			GW930104-1			GW930104-1			GW930104-1			003785		
LAB:	CORE			FERMCO Laboratory			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230	.2 PCI/L	.1	UNV												
RADIUM-226	1 PCI/L	.3	UNV												
THORIUM-232	.2 PCI/L	.1	UNV												
THORIUM, TOTAL	.6 UG/L		NV												
RADIUM-228	3 PCI/L	1	UNV												
THORIUM-228	.2 PCI/L	.1	UNV												
GROSS ALPHA	11.4 PCI/L	5.4	NV												
GROSS BETA	30 PCI/L	5.4	NV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
CUMENE										1 UG/L		UNV			
VOLATILES															
1,1,1,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										10 UG/L		UNV			
2-HEXANONE										10 UG/L		UNV			
4-METHYL-2-PENTANONE										10 UG/L		UNV			
ACETONE										10 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										5 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										10 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										10 UG/L		UNV			

SAMPLE NUMBER:	GW930104-1			GW930104-1			GW930104-1			GW930104-1			003785		
LAB:	CORE			FERMCO Laboratory			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										10 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
TRICHLOROFLUOROMETHANE										1 UG/L		UNV			
VINYL ACETATE										10 UG/L		UNV			
VINYL CHLORIDE										5 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003785	EMGW_SYSGEN_677	EMGW_SYSGEN_677	EMGW_SYSGEN_677	GW930408-12
TASK:	3.2.4	GWMON	GWMON	GWMON	50.03.23
LAB:	IT	IT	NET	NET	CORE
WELL OR BORING NUMBER:	2084	2084	2084	2084	2084
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-DEC-88	05-FEB-91	05-FEB-91	05-FEB-91	08-APR-93
NORTH COORDINATE:	481922.56	481922.56	481922.56	481922.56	481922.56
EAST COORDINATE:	1378940.3	1378940.3	1378940.3	1378940.3	1378940.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										394 MG/L		NV			
AMMONIA	.438 MG/L		R							2.61 MG/L		NV			
CHLORIDE	150 MG/L		R							117 MG/L		NV			
FLUORIDE	.175 MG/L		-							.11 MG/L		NV			
NITRATE	32.4 MG/L		-							11 MG/L		NV			
NITRATE, AS NITROGEN										11 MG/L		NV			
PH	.01 MG/L		U							7.01 SU		NV			
PHENOLS	.01 MG/L		U							.005 MG/L		UNV			
PHOSPHORUS	.02 MG/L		U							.35 MG/L		NV			
SPECIFIC CONDUCTIVITY										1510 UMHOS/CM		NV			
SULFATE	200 MG/L		-							295 MG/L		NV			
TOTAL DISSOLVED SOLIDS										1030 MG/L		NV			
TOTAL KJELDAHL NITROGEN	1.51 MG/L		R												
TOTAL ORGANIC CARBON										12 MG/L		NV			
TOTAL ORGANIC HALIDES	.05 MG/L		U												
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	1.07 MG/L		R												
INORGANICS															
ALUMINUM							.5 MG/L		UNV	2.53 MG/L		NV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.0025 MG/L		UNV	.009 MG/L		NV			
BARIUM							.238 MG/L		NV	.366 MG/L		NV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM							164 MG/L		NV	236 MG/L		NV			

SAMPLE NUMBER:	003785			EMGW_SYSGEN_677			EMGW_SYSGEN_677			EMGW_SYSGEN_677			GW930408-12		
LAB:	IT			IT			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM										.027 MG/L		NV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.036 MG/L		NV			
CYANIDE										.005 MG/L		UNV			
IRON							.132 MG/L		NV	26.9 MG/L		NV			
LEAD							.005 MG/L		UNV	.013 MG/L		NV			
MAGNESIUM							18 MG/L		NV	52 MG/L		NV			
MANGANESE							.69 MG/L		NV	1.09 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV			
NICKEL							.005 MG/L		UNV	.023 MG/L		NV			
POTASSIUM							14.9 MG/L		NV	16.4 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							58.5 MG/L		NV	60.7 MG/L		NV			
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.02 MG/L		UNV	.077 MG/L		NV			
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	6 PCI/L	1	J	6.21 PCI/L		NV							8 PCI/L	1.1	J
URANIUM, TOTAL	17 UG/L	3	J	19.5 UG/L		NV							26.9 UG/L	1.9	-
URANIUM-234	7.9 PCI/L	1.2	J	7.82 PCI/L		NV							8.8 PCI/L	1.2	J
THORIUM-230	1 PCI/L		UJ	.54 PCI/L		UNV							.6 PCI/L	.3	-
RADIUM-226	1 PCI/L		U	1 PCI/L		UNV							1 PCI/L	.4	R
URANIUM-235/236	1 PCI/L		UJ	.355 PCI/L		NV							.2 PCI/L	.2	UJ
THORIUM-232	1 PCI/L		UJ	.54 PCI/L		UNV							.2 PCI/L	.1	U
THORIUM, TOTAL	7 UG/L		J	4.9 UG/L		UNV									
RADIUM-228	3 PCI/L		R	3 PCI/L		UNV							3 PCI/L	1.1	U
THORIUM-228	1 PCI/L		UJ	1.7 PCI/L		NV							.2 PCI/L	.2	U
NEPTUNIUM-237	1 PCI/L		UJ	.5 PCI/L		UNV									
PLUTONIUM-239/240	1 PCI/L		UJ	.5 PCI/L		UNV									
PLUTONIUM-238	1 PCI/L		UJ	.5 PCI/L		UNV									
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		UJ	15 PCI/L		UNV									
RUTHENIUM-106	150 PCI/L		R	150 PCI/L		UNV									
CESIUM-137	20 PCI/L		R	6.7 PCI/L		UNV									

SAMPLE NUMBER:	003785			EMGW_SYSGEN_677			EMGW_SYSGEN_677			EMGW_SYSGEN_677			GW930408-12		
LAB:	IT			IT			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
GROSS ALPHA				17 PCI/L		UNV							14.8 PCI/L	7.3	NV
GROSS BETA				29.5 PCI/L		NV							38.4 PCI/L	5.1	NV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			

SAMPLE NUMBER:	003785			EMGW_SYSGEN_677			EMGW_SYSGEN_677			EMGW_SYSGEN_677			GW930408-12		
LAB:	IT			IT			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930408-12			GW930408-12			GW930408-12			EMGW_SYSGEN_680			EMGW_SYSGEN_680		
TASK:	50.03.23			50.03.23			50.03.23			GWMON			GWMON		
LAB:	CORE			LOCKHEED			LOCKHEED			NET			NET		
WELL OR BORING NUMBER:	2084			2084			2084			2084			2084		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	08-APR-93			08-APR-93			08-APR-93			08-OCT-91			08-OCT-91		
NORTH COORDINATE:	481922.56			481922.56			481922.56			481922.56			481922.56		
EAST COORDINATE:	1378940.3			1378940.3			1378940.3			1378940.3			1378940.3		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							460 MG/L		-				449 MG/L		NV
AMMONIA							3.9 MG/L		-				2.21 MG/L		NV
BICARBONATE ALKALINITY							460 MG/L		-						
CARBONATE ALKALINITY							30 MG/L		U						
CHLORIDE							190 MG/L		-				119 MG/L		NV
FLUORIDE							.15 MG/L		U				.14 MG/L		NV
NITRATE, AS NITROGEN													7.71 MG/L		NV
NITRATE/NITRITE							27 MG/L		-						
PH							7.3 SU		-				6.79 SU		NV
PHENOLS							.15 MG/L		U				.005 MG/L		UNV
PHOSPHORUS							.03 MG/L		U				.25 MG/L		NV
SPECIFIC CONDUCTIVITY							2100 UMHOS/CM		-				1610 UMHOS/CM		NV
SULFATE							420 MG/L		-				469 MG/L		NV
TOTAL DISSOLVED SOLIDS				1400 MG/L		-							1150 MG/L		NV
TOTAL ORGANIC CARBON							1.7 MG/L		-				10 MG/L		NV
TOTAL ORGANIC HALIDES							.045 MG/L		U						
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN							-1.7 MG/L		U						
TOTAL SOLIDS							1500 MG/L		-						
INORGANICS															
ALUMINUM				.036 MG/L		U	.0381 MG/L		U	.2 MG/L		UNV	.2 MG/L		UNV
ANTIMONY				.031 MG/L		U	.031 MG/L		U	.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC				.002 MG/L		U	.002 MG/L		U	.005 MG/L		UNV	.005 MG/L		UNV
BARIUM				.0558 MG/L		-	.0554 MG/L		-	.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM				.001 MG/L		U	.001 MG/L		U	.005 MG/L		UNV	.005 MG/L		UNV

SAMPLE NUMBER:	GW930408-12			GW930408-12			GW930408-12			EMGW_SYSGEN_680			EMGW_SYSGEN_680		
LAB:	CORE			LOCKHEED			LOCKHEED			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM				.002 MG/L		U	.002 MG/L		U	.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM				294 MG/L		-	277 MG/L		-	190 MG/L		NV	220 MG/L		NV
CHROMIUM				.003 MG/L		U	.0036 MG/L		-				.002 MG/L		UNV
COBALT				.008 MG/L		U	.008 MG/L		U	.005 MG/L		UNV	.005 MG/L		UNV
COPPER				.0062 MG/L		U	.0041 MG/L		U	.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE				.00002 MG/L		UNV	.00002 MG/L		UNV				.005 MG/L		UNV
IRON				2.48 MG/L		-	3.59 MG/L		-	1.8 MG/L		NV	6.7 MG/L		NV
LEAD				.0018 MG/L		U	.0021 MG/L		U	.003 MG/L		UNV	.003 MG/L		UNV
MAGNESIUM				97.4 MG/L		-	95.4 MG/L		-	46 MG/L		NV	61 MG/L		NV
MANGANESE				1.02 MG/L		-	.932 MG/L		-	1.47 MG/L		NV	1.67 MG/L		NV
MERCURY				.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM				.015 MG/L		U	.015 MG/L		U	.01 MG/L		UNV	.01 MG/L		UNV
NICKEL				.031 MG/L		U	.031 MG/L		U	.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM				14.8 MG/L		-	13.9 MG/L		-	11 MG/L		NV	11 MG/L		NV
SELENIUM				.001 MG/L		UJ	.001 MG/L		UJ	.005 MG/L		UNV	.005 MG/L		UNV
SILVER				.003 MG/L		U	.003 MG/L		U	.001 MG/L		UNV	.001 MG/L		UNV
SODIUM				75.1 MG/L		-	73.8 MG/L		-	59 MG/L		NV	57 MG/L		NV
THALLIUM				.002 MG/L		UJ	.002 MG/L		UJ	.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM				.007 MG/L		U	.007 MG/L		U	.05 MG/L		UNV	.05 MG/L		UNV
ZINC				.0063 MG/L		U	.0149 MG/L		U	.056 MG/L		NV	.067 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	6 PCI/L	.7	J												
URANIUM, TOTAL	23.9 UG/L	1.7	-												
URANIUM-234	7.4 PCI/L	.8	-												
THORIUM-230	.3 PCI/L	.1	UJ												
RADIUM-226	1 PCI/L	.4	UJ												
URANIUM-235/236	.2 PCI/L	.2	U												
THORIUM-232	.4 PCI/L	.1	UJ												
RADIUM-228	3 PCI/L	1	U												
THORIUM-228	.2 PCI/L	.1	UJ												
GROSS ALPHA	13.7 PCI/L	6.2	NV												
GROSS BETA	26.1 PCI/L	6.3	NV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV

SAMPLE NUMBER:	GW930408-12			GW930408-12			GW930408-12			EMGW_SYSGEN_680			EMGW_SYSGEN_680		
LAB:	CORE			LOCKHEED			LOCKHEED			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U				1 UG/L		UNV
1,1,2-TRICHLOROETHANE							10 UG/L		U				1 UG/L		UNV
1,1-DICHLOROETHANE							10 UG/L		UJ				1 UG/L		UNV
1,1-DICHLOROETHENE							10 UG/L		U				1 UG/L		UNV
1,2-DICHLOROETHANE							10 UG/L		U				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U				1 UG/L		UNV
1,2-DICHLOROPROPANE							10 UG/L		U				1 UG/L		UNV
2-BUTANONE							10 UG/L		UJ				2 UG/L		UNV
2-HEXANONE							10 UG/L		U				2 UG/L		UNV
4-METHYL-2-PENTANONE							10 UG/L		U				2 UG/L		UNV
ACETONE							10 UG/L		U				2 UG/L		UNV
BENZENE							10 UG/L		UJ				1 UG/L		UNV
BROMODICHLOROMETHANE							10 UG/L		U				1 UG/L		UNV
BROMOFORM							10 UG/L		U				1 UG/L		UNV
BROMOMETHANE							10 UG/L		U				1 UG/L		UNV
CARBON DISULFIDE							10 UG/L		UJ				1 UG/L		UNV
CARBON TETRACHLORIDE							10 UG/L		U				1 UG/L		UNV
CHLOROBENZENE							10 UG/L		UJ				1 UG/L		UNV
CHLOROETHANE							10 UG/L		UJ				1 UG/L		UNV
CHLOROFORM							10 UG/L		U				1 UG/L		UNV
CHLOROMETHANE							10 UG/L		U				1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE							10 UG/L		U				1 UG/L		UNV
DIBROMOCHLOROMETHANE							10 UG/L		U				1 UG/L		UNV
ETHYLBENZENE							10 UG/L		UJ				1 UG/L		UNV
METHYLENE CHLORIDE							10 UG/L		U				1 UG/L		UNV
STYRENE							10 UG/L		UJ				1 UG/L		UNV
TETRACHLOROETHENE							10 UG/L		U				1 UG/L		UNV
TOLUENE							10 UG/L		UJ				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U				1 UG/L		UNV
TRICHLOROETHENE							10 UG/L		U				1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE							10 UG/L		UJ				1 UG/L		UNV
XYLENES, TOTAL							10 UG/L		UJ				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_680			EMGW_SYSGEN_676			EMGW_SYSGEN_676			EMGW_SYSGEN_676			003972		
TASK:	GWMON			GWMON			GWMON			GWMON			3.2.4		
LAB:	WMCO			IT			NET			NET			IT		
WELL OR BORING NUMBER:	2084			2084			2084			2084			2084		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	08-OCT-91			11-NOV-90			11-NOV-90			11-NOV-90			12-MAR-89		
NORTH COORDINATE:	481922.56			481922.56			481922.56			481922.56			481922.56		
EAST COORDINATE:	1378940.3			1378940.3			1378940.3			1378940.3			1378940.3		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										323 MG/L		NV			
AMMONIA										.52 MG/L		NV			
CHLORIDE										149 MG/L		NV			
FLUORIDE										.27 MG/L		NV			
NITRATE/NITRITE										2.26 MG/L		NV			
PH										6.31 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										.47 MG/L		NV			
SPECIFIC CONDUCTIVITY										1950 UMHOS/CM		NV			
SULFATE										621 MG/L		NV			
TOTAL DISSOLVED SOLIDS										1350 MG/L		NV			
TOTAL ORGANIC CARBON										8 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ALUMINUM							.5 MG/L		UNV	2.24 MG/L		NV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.0025 MG/L		UNV	.012 MG/L		NV	.003 MG/L		U
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV	.073 MG/L		-
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV	.007 MG/L		-
CALCIUM							38 MG/L		NV	259 MG/L		NV	340 MG/L		-
CHROMIUM										.029 MG/L		NV	.05 MG/L		-
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.031 MG/L		NV	.01 MG/L		U
CYANIDE										.005 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_680			EMGW_SYSGEN_676			EMGW_SYSGEN_676			EMGW_SYSGEN_676			003972		
LAB:	WMCO			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON							.94 MG/L		NV	.786 MG/L		NV	2.3 MG/L		-
LEAD							.005 MG/L		UNV	.03 MG/L		NV	.002 MG/L		U
MAGNESIUM							43.3 MG/L		NV	101 MG/L		NV	78 MG/L		-
MANGANESE							1.25 MG/L		NV	3.34 MG/L		NV	.65 MG/L		-
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		U
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		-
NICKEL							.005 MG/L		UNV	.031 MG/L		NV	.03 MG/L		U
POTASSIUM							10.3 MG/L		NV	13 MG/L		NV	16 MG/L		-
SELENIUM							.0025 MG/L		UNV	.003 MG/L		NV	.005 MG/L		U
SILVER							.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		-
SODIUM							40.7 MG/L		NV	51.5 MG/L		NV	63 MG/L		-
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.092 MG/L		NV			
ZINC							.02 MG/L		UNV	.061 MG/L		NV			
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				14.4 PCI/L		NV									
URANIUM, TOTAL	15 UG/L		NV	26.9 UG/L		NV									
URANIUM-234				14.5 PCI/L		NV									
THORIUM-230				1.2 PCI/L		UNV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				1.23 PCI/L		NV									
THORIUM-232				1.2 PCI/L		UNV									
THORIUM, TOTAL				11 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				1.48 PCI/L		NV									
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
TECHNETIUM-99				18.5 PCI/L		NV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				8.1 PCI/L		UNV									
GROSS ALPHA				109 PCI/L		NV									
GROSS BETA				70 PCI/L		NV									
SEMIVOLATILES															

2-CHLOROETHYLVINYL ETHER
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GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	EMGW_SYSGEN_680			EMGW_SYSGEN_676			EMGW_SYSGEN_676			EMGW_SYSGEN_676			003972		
LAB:	WMCO			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003972	EMGW_SYSGEN_675	EMGW_SYSGEN_675	EMGW_SYSGEN_675	EMGW_SYSGEN_673
TASK:	3.2.4	GWMON	GWMON	GWMON	GWMON
LAB:	IT	IT	NET	NET	IT
WELL OR BORING NUMBER:	2084	2084	2084	2084	2084
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-MAR-89	16-AUG-90	16-AUG-90	16-AUG-90	21-FEB-90
NORTH COORDINATE:	481922.56	481922.56	481922.56	481922.56	481922.56
EAST COORDINATE:	1378940.3	1378940.3	1378940.3	1378940.3	1378940.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	1.2 MG/L		-												
CHLORIDE	170 MG/L		-							154 MG/L		NV			
FLUORIDE	.1 MG/L		-							.11 MG/L		NV			
NITRATE	2.8 MG/L		-							.67 MG/L		NV			
NITRATE, AS NITROGEN										.67 MG/L		NV			
PHENOLS	.005 MG/L		U							.005 MG/L		UNV			
PHOSPHORUS	.01 MG/L		-												
SULFATE	480 MG/L		-							1090 MG/L		NV			
TOTAL KJELDAHL NITROGEN	.5 MG/L		-												
TOTAL ORGANIC CARBON										4 MG/L		NV			
TOTAL ORGANIC HALIDES	.05 MG/L		-												
TOTAL ORGANIC HALOGENS										.051 MG/L		NV			
TOTAL ORGANIC NITROGEN	0 MG/L		-												
INORGANICS															
ALUMINUM							.5 MG/L		UNV	1.15 MG/L		NV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.0025 MG/L		UNV	.003 MG/L		NV			
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM							366 MG/L		NV	397 MG/L		NV			
CHROMIUM										.02 MG/L		NV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.025 MG/L		UNV			
IRON							2.07 MG/L		NV	16.5 MG/L		NV			

SAMPLE NUMBER:	003972			EMGW_SYSGEN_675			EMGW_SYSGEN_675			EMGW_SYSGEN_675			EMGW_SYSGEN_673		
LAB:	IT			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD							.005 MG/L		UNV	.013 MG/L		NV			
MAGNESIUM							75.6 MG/L		NV	94 MG/L		NV			
MANGANESE							1.38 MG/L		NV	1.64 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV			
NICKEL							.01 MG/L		UNV	.016 MG/L		NV			
POTASSIUM							12.7 MG/L		NV	13.1 MG/L		NV			
SELENIUM							.005 MG/L		NV	.005 MG/L		NV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							71.1 MG/L		NV	75.1 MG/L		NV			
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.04 MG/L		NV	.067 MG/L		NV			
RADIONUCLIDES															
URANIUM-238	7.8 PCI/L	1.3	J	6.31 PCI/L		NV							6.6 PCI/L		NV
URANIUM, TOTAL	21 UG/L	4	-	20.3 UG/L		NV							20.3 UG/L		NV
URANIUM-234	9.4 PCI/L	1.5	J	8.14 PCI/L		NV							8.4 PCI/L		NV
THORIUM-230	1 PCI/L		UJ	.81 PCI/L		UNV							1 PCI/L		UNV
RADIUM-226	1 PCI/L		U	1 PCI/L		UNV									
URANIUM-235/236	1 PCI/L		UJ	.2 PCI/L		UNV									
THORIUM-232	1 PCI/L		UJ	1.09 PCI/L		NV									
THORIUM, TOTAL	4 UG/L		UJ	9.79 UG/L		NV									
RADIUM-228	3 PCI/L		R	3 PCI/L		UNV									
THORIUM-228	1 PCI/L		UJ	.965 PCI/L		NV							1 PCI/L		UNV
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		UJ												
PLUTONIUM-238	1 PCI/L		UJ												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		UJ										15 PCI/L		UNV
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
URANIUM-235	1 PCI/L		UJ	.2 PCI/L		UNV							1 PCI/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			

SAMPLE NUMBER:	003972			EMGW_SYSGEN_675			EMGW_SYSGEN_675			EMGW_SYSGEN_675			EMGW_SYSGEN_673		
LAB:	IT			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_673	EMGW_SYSGEN_673	EMGW_SYSGEN_674	EMGW_SYSGEN_674	EMGW_SYSGEN_674
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	NET	IT	NET	NET
WELL OR BORING NUMBER:	2084	2084	2084	2084	2084
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-FEB-90	21-FEB-90	24-MAY-90	24-MAY-90	24-MAY-90
NORTH COORDINATE:	481922.56	481922.56	481922.56	481922.56	481922.56
EAST COORDINATE:	1378940.3	1378940.3	1378940.3	1378940.3	1378940.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE				172 MG/L		NV							167 MG/L		NV
FLUORIDE				.26 MG/L		NV							.26 MG/L		NV
NITRATE, AS NITROGEN				12.9 MG/L		NV							8.53 MG/L		NV
PHENOLS				.005 MG/L		UNV							.005 MG/L		UNV
SULFATE				536 MG/L		NV							505 MG/L		NV
TOTAL ORGANIC CARBON				1 MG/L		UNV							31 MG/L		NV
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV							.02 MG/L		NV
INORGANICS															
ALUMINUM	.05 MG/L		UNV	.299 MG/L		NV				.142 MG/L		NV	2.16 MG/L		NV
ANTIMONY										.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC	.0025 MG/L		UNV	.0025 MG/L		UNV				.0025 MG/L		UNV	.004 MG/L		NV
BARIUM	.2 MG/L		UNV	.357 MG/L		NV				.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM										.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	313 MG/L		NV	338 MG/L		NV				217 MG/L		NV	363 MG/L		NV
CHROMIUM				.005 MG/L		UNV							.005 MG/L		UNV
COBALT	.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
COPPER	.025 MG/L		UNV	.025 MG/L		UNV				.027 MG/L		NV	.042 MG/L		NV
CYANIDE													.005 MG/L		UNV
IRON	.917 MG/L		NV	8.79 MG/L		NV				1.55 MG/L		NV	22.9 MG/L		NV
LEAD	.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV	.016 MG/L		NV
MAGNESIUM	71.5 MG/L		NV	69.4 MG/L		NV				59 MG/L		NV	87 MG/L		NV
MANGANESE	.757 MG/L		NV	.903 MG/L		NV				1.06 MG/L		NV	1.24 MG/L		NV
MERCURY										.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM										.025 MG/L		UNV	.025 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_673			EMGW_SYSGEN_673			EMGW_SYSGEN_674			EMGW_SYSGEN_674			EMGW_SYSGEN_674		
LAB:	NET			NET			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.005 MG/L		UNV	.009 MG/L		NV				.005 MG/L		UNV	.011 MG/L		NV
POTASSIUM										18.3 MG/L		NV	15.7 MG/L		NV
SELENIUM										.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	83 MG/L		NV	76.9 MG/L		NV				77.9 MG/L		NV	67 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.02 MG/L		UNV	.02 MG/L		UNV				.02 MG/L		UNV	.02 MG/L		UNV
MISC															
3-METHYLPHENOL													4 UG/L		UNV
DIPHENYLAMINE													15 UG/L		UNV
PESTICIDES															
4,4'-DDD													.2 UG/L		UNV
4,4'-DDE													.2 UG/L		UNV
4,4'-DDT													.2 UG/L		UNV
ALDRIN													.2 UG/L		UNV
ALPHA-BHC													.2 UG/L		UNV
AROCLOR-1016													.2 UG/L		UNV
AROCLOR-1221													.2 UG/L		UNV
AROCLOR-1232													.2 UG/L		UNV
AROCLOR-1242													.2 UG/L		UNV
AROCLOR-1248													.2 UG/L		UNV
AROCLOR-1254													.2 UG/L		UNV
AROCLOR-1260													.2 UG/L		UNV
BETA-BHC													.2 UG/L		UNV
CHLORDANE													.2 UG/L		UNV
DELTA-BHC													.2 UG/L		UNV
DIELDRIN													.2 UG/L		UNV
ENDOSULFAN II													.2 UG/L		UNV
ENDOSULFAN SULFATE													.2 UG/L		UNV
ENDOSULFAN-I													.2 UG/L		UNV
ENDRIN													.2 UG/L		UNV
ENDRIN ALDEHYDE													.08 UG/L		UNV
GAMMA-BHC (LINDANE)													.2 UG/L		UNV
HEPTACHLOR													.2 UG/L		UNV
HEPTACHLOR EPOXIDE													.2 UG/L		UNV
TOXAPHENE													.2 UG/L		UNV
													.5 UG/L		UNV

RADIONUCLIDES

URANIUM-238 10.2 PCI/L NV
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_673			EMGW_SYSGEN_673			EMGW_SYSGEN_674			EMGW_SYSGEN_674			EMGW_SYSGEN_674		
LAB:	NET			NET			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL							30.4 UG/L		NV						
URANIUM-234							10.8 PCI/L		NV						
THORIUM-230							.56 PCI/L		UNV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236							.378 PCI/L		NV						
THORIUM-232							.56 PCI/L		UNV						
THORIUM, TOTAL							5 UG/L		UNV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							2 PCI/L		NV						
GROSS ALPHA							53.4 PCI/L		NV						
GROSS BETA							26.8 PCI/L		NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													4 UG/L		UNV
1,3-DICHLOROBENZENE													4 UG/L		UNV
1,4-DICHLOROBENZENE													4 UG/L		UNV
2,4,5-TRICHLOROPHENOL													4 UG/L		UNV
2,4,6-TRICHLOROPHENOL													4 UG/L		UNV
2,4-DICHLOROPHENOL													4 UG/L		UNV
2,4-DIMETHYLPHENOL													4 UG/L		UNV
2,4-DINITROPHENOL													4 UG/L		UNV
2,4-DINITROTOLUENE													15 UG/L		UNV
2,6-DINITROTOLUENE													15 UG/L		UNV
2-CHLORONAPHTHALENE													4 UG/L		UNV
2-CHLOROPHENOL													4 UG/L		UNV
2-METHYLPHENOL													4 UG/L		UNV
2-NITROANILINE													15 UG/L		UNV
2-NITROPHENOL													4 UG/L		UNV
3,3'-DICHLOROBENZIDINE													15 UG/L		UNV
3-NITROANILINE													15 UG/L		UNV
4,6-DINITRO-2-METHYLPHENOL													4 UG/L		UNV
4-BROMOPHENYL PHENYL ETHER													15 UG/L		UNV
4-CHLORO-3-METHYLPHENOL													4 UG/L		UNV
4-CHLOROPHENYLPHENYL ETHER													15 UG/L		UNV
4-NITROANILINE													15 UG/L		UNV
4-NITROPHENOL													4 UG/L		UNV
ACENAPHTHYLENE													4 UG/L		UNV

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SAMPLE NUMBER:	EMGW_SYSGEN_673			EMGW_SYSGEN_673			EMGW_SYSGEN_674			EMGW_SYSGEN_674			EMGW_SYSGEN_674		
LAB:	NET			NET			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
ANTHRACENE													4 UG/L		UNV
BENZO(A)ANTHRACENE													4 UG/L		UNV
BENZO(A)PYRENE													4 UG/L		UNV
BENZO(B)FLUORANTHENE													4 UG/L		UNV
BENZO(G,H,I)PERYLENE													4 UG/L		UNV
BENZO(K)FLUORANTHENE													4 UG/L		UNV
BENZOIC ACID													4 UG/L		UNV
BENZYL ALCOHOL													40 UG/L		UNV
BIS(2-CHLOROETHOXY)METHANE													15 UG/L		UNV
BIS(2-CHLOROETHYL)ETHER													15 UG/L		UNV
BIS(2-CHLOROISOPROPYL) ETHER													15 UG/L		UNV
BIS(2-ETHYLHEXYL)PHTHALATE													4 UG/L		UNV
BUTYL BENZYL PHTHALATE													4 UG/L		UNV
CHRYSENE													4 UG/L		UNV
DI-N-BUTYL PHTHALATE													4 UG/L		UNV
DIBENZO(A,H)ANTHRACENE													4 UG/L		UNV
DIBENZOFURAN													4 UG/L		UNV
DIETHYL PHTHALATE													4 UG/L		UNV
DIMETHYL PHTHALATE													4 UG/L		UNV
FLUORANTHENE													4 UG/L		UNV
FLUORENE													4 UG/L		UNV
HEXACHLOROBENZENE													4 UG/L		UNV
HEXACHLOROBUTADIENE													4 UG/L		UNV
HEXACHLOROCYCLOPENTADIENE													4 UG/L		UNV
HEXACHLOROETHANE													4 UG/L		UNV
INDENO(1,2,3-CD)PYRENE													4 UG/L		UNV
ISOPHORONE													4 UG/L		UNV
N-NITROSO-DI-N-PROPYLAMINE													4 UG/L		UNV
N-NITROSODIPHENYLAMINE													4 UG/L		UNV
NAPHTHALENE													4 UG/L		UNV
NITROBENZENE													4 UG/L		UNV
P-CHLOROANILINE													4 UG/L		UNV
PENTACHLOROPHENOL													4 UG/L		UNV
PHENANTHRENE													4 UG/L		UNV
PHENOL				.005 MG/L		UNV							4 UG/L		UNV
PYRENE													4 UG/L		UNV
PYRIDINE													4 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_673			EMGW_SYSGEN_673			EMGW_SYSGEN_674			EMGW_SYSGEN_674			EMGW_SYSGEN_674		
LAB:	NET			NET			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE				2 UG/L		UNV							2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
TOLUENE				1 UG/L		UNV							1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003134	003134	066722	066723	066723
TASK:	3.2.4	3.2.4	9.27	9.27	9.27
LAB:	IT	IT	IT	WMCO	WMCO
WELL OR BORING NUMBER:	2084	2084	2084	2084	2084
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-APR-88	28-APR-88	28-NOV-89	28-NOV-89	28-NOV-89
NORTH COORDINATE:	481922.56	481922.56	481922.56	481922.56	481922.56
EAST COORDINATE:	1378940.3	1378940.3	1378940.3	1378940.3	1378940.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	F-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				4 MG/L		-									
CHLORIDE				200 MG/L		-							184 MG/L		NV
FLUORIDE				.21 MG/L		-							.17 MG/L		NV
NITRATE				.1 MG/L		J							5.76 MG/L		NV
PHENOLS				.01 MG/L		J							.016 MG/L		NV
PHOSPHORUS				.125 MG/L		-									
SULFATE				428 MG/L		-							583 MG/L		NV
TOTAL ORGANIC CARBON													1 MG/L		NV
TOTAL ORGANIC HALIDES													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN				.1 MG/L		-									
INORGANICS															
ALUMINUM										.05 MG/L		UNV	.054 MG/L		NV
ARSENIC	.2 MG/L		U							.0025 MG/L		UNV	.0025 MG/L		UNV
BARIUM	.08 MG/L		-							.321 MG/L		NV	.374 MG/L		NV
BERYLLIUM										.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM	.005 MG/L		U												
CALCIUM	259 MG/L		-							308 MG/L		NV	317 MG/L		NV
CHROMIUM	.02 MG/L		U							.005 MG/L		UNV	.005 MG/L		NV
COBALT										.025 MG/L		UNV	.025 MG/L		UNV
COPPER	.04 MG/L		-							.025 MG/L		UNV	.025 MG/L		UNV
IRON	2.3 MG/L		-							1.87 MG/L		NV	2.59 MG/L		NV
LEAD	.05 MG/L		U							.006 MG/L		NV	.011 MG/L		NV
MAGNESIUM	77.7 MG/L		-							100 MG/L		NV	99 MG/L		NV
MANGANESE	.53 MG/L		-							.789 MG/L		NV	.824 MG/L		NV
MERCURY	.0002 MG/L		U												

SAMPLE NUMBER:	003134			003134			066722			066723			066723		
LAB:	IT			IT			IT			WMCO			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			F-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.02 MG/L		U												
NICKEL	.02 MG/L		U							.005 MG/L		UNV	2 MG/L		NV
POTASSIUM	15.41 MG/L		-												
SELENIUM	.2 MG/L		U												
SILVER	.01 MG/L		U							.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	66.5 MG/L		-							60.3 MG/L		NV	62.5 MG/L		NV
VANADIUM										.05 MG/L		UNV	.05 MG/L		UNV
ZINC										.161 MG/L		NV	.099 MG/L		NV
RADIONUCLIDES															
URANIUM-238				5 PCI/L	1	J	13.5 PCI/L	1.7	-						
URANIUM, TOTAL				16 UG/L	3	J	32 UG/L	5	J						
URANIUM-234				6.4 PCI/L	1.2	J	16.9 PCI/L	2.1	-						
THORIUM-230				1.1 PCI/L	.5	-	1 PCI/L		UJ						
RADIUM-226				1 PCI/L		U									
URANIUM-235/236				1 PCI/L		UJ	1 PCI/L		U						
THORIUM-232				1 PCI/L		U									
RADIUM-228				3 PCI/L		UJ									
THORIUM-228				1 PCI/L		U	1 PCI/L		UJ						
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		UJ									
PLUTONIUM-238				1 PCI/L		UJ									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99							30 PCI/L		UJ						
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
VOLATILES															
1,1-DICHLOROETHANE													2.5 UG/L		UNV
1,2-DICHLOROETHANE													2.5 UG/L		UNV
ACETONE													2.5 UG/L		UNV
METHYLENE CHLORIDE													2.5 UG/L		UNV
TETRACHLOROETHENE													2.5 UG/L		UNV
TOLUENE													2.5 UG/L		UNV
TRICHLOROETHENE													2.5 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003581	003581	066544	066574	066574
TASK:	3.2.4	3.2.4	9.25	9.25	9.25
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2084	2084	2084	2084	2084
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-AUG-88	29-AUG-88	29-AUG-89	29-AUG-89	29-AUG-89
NORTH COORDINATE:	481922.56	481922.56	481922.56	481922.56	481922.56
EAST COORDINATE:	1378940.3	1378940.3	1378940.3	1378940.3	1378940.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,4-DIOXANE													1000 UG/L		U
GENERAL CHEMISTRY															
AMMONIA				1.7 MG/L		J									
CHLORIDE				185 MG/L		J	250 MG/L		J						
FLUORIDE				.21 MG/L		-	.1 MG/L		J						
NITRATE				16 MG/L		J	7.66 MG/L		J						
PHENOLS				.01 MG/L		U									
PHOSPHATE				.48 MG/L		J									
SULFATE				339 MG/L		-	498 MG/L		J						
SULFIDE													.5 MG/L		U
TOTAL ORGANIC CARBON							1.58 MG/L		J						
TOTAL ORGANIC HALIDES				.05 MG/L		U	.013 MG/L		J						
TOTAL ORGANIC NITROGEN				.4 MG/L		-									
INORGANICS															
ALUMINUM										.252 MG/L		-			
ANTIMONY										.03 MG/L		U			
ARSENIC	.002 MG/L		U							.002 MG/L		UJ			
BARIUM	.07 MG/L		-							.0736 MG/L		-			
BERYLLIUM										.0016 MG/L		-			
CADMIUM	.002 MG/L		U							.0134 MG/L		-			
CALCIUM	264 MG/L		-							306 MG/L		-			
CHROMIUM	.02 MG/L		U							.0387 MG/L		-			
COBALT										.01 MG/L		U			

SAMPLE NUMBER:	003581			003581			066544			066574			066574		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER	.01 MG/L		U							.01 MG/L		U			
CYANIDE													.005 MG/L		U
IRON	4.2 MG/L		-							3.03 MG/L		-			
LEAD	.02 MG/L		UJ							.0045 MG/L		J			
MAGNESIUM	77.6 MG/L		-							100 MG/L		-			
MANGANESE	.5 MG/L		-							1.03 MG/L		-			
MERCURY	.0002 MG/L		U							.0002 MG/L		UR			
MOLYBDENUM	.02 MG/L		-												
NICKEL	.02 MG/L		U							.0302 MG/L		-			
OSMIUM										.05 MG/L		UJ			
POTASSIUM	13.9 MG/L		-							15.5 MG/L		-			
SELENIUM	.002 MG/L		U							.002 MG/L		UJ			
SILVER	.01 MG/L		U							.0115 MG/L		-			
SODIUM	58.7 MG/L		-							65.2 MG/L		-			
THALLIUM										.0012 MG/L		U			
TIN										.03 MG/L		U			
VANADIUM										.0392 MG/L		-			
ZINC										.066 MG/L		-			
MISC															
1,2,3-TRICHLOROPROPANE													5 UG/L		U
1,2-DIBROMO-3-CHLOROPROPANE													10 UG/L		UJ
1,2-DIBROMOETHANE													5 UG/L		U
2-CHLORO-1,3-BUTADIENE													5 UG/L		U
3-CHLOROPROPENE													5 UG/L		UJ
ACETONITRILE													200 UG/L		UJ
ACROLEIN													10 UG/L		U
ACROLEIN													10 UG/L		U
ACROLEIN													10 UG/L		U
ACROLEIN													10 UG/L		U
ACRYLONITRILE													10 UG/L		U
DIBROMOMETHANE													10 UG/L		U
DICHLORODIFLUOROMETHANE													200 UG/L		U
ETHYL CYANIDE													100 UG/L		UR
ETHYL METHACRYLATE													10 UG/L		U
IODOMETHANE													5 UG/L		U
METHACRYLONITRILE													10 UG/L		UJ
METHYL METHACRYLATE													10 UG/L		U
TRANS-1,2-DICHLOROETHENE													5 UG/L		U
TRANS-1,4-DICHLORO-2-BUTENE													20 UG/L		U

00 1334

RADIONUCLIDES

URANIUM-238 5.9 PCI/L .9 J 7.71 PCI/L 1.1 -
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003581			003581			066544			066574			066574		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL				19 UG/L	3	-	25 UG/L	4	-						
URANIUM-234				7.6 PCI/L	1	J	10.1 PCI/L	1.36	-						
THORIUM-230				1 PCI/L		UJ	1 PCI/L		U						
RADIUM-226				1.1 PCI/L	.5	-									
URANIUM-235/236				1 PCI/L		UJ	1 PCI/L		U						
THORIUM-232				1 PCI/L		UJ									
THORIUM, TOTAL				6 UG/L		UJ									
RADIUM-228				3.7 PCI/L	1.3	-									
THORIUM-228				1 PCI/L		UJ	1 PCI/L		U						
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U	30 PCI/L		U						
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
SEMIVOLATILES															
PYRIDINE													50000 UG/L		U
VOLATILES															
1,1,1,2-TETRACHLOROETHANE													5 UG/L		U
1,1,1-TRICHLOROETHANE													5 UG/L		UJ
1,1,2,2-TETRACHLOROETHANE													5 UG/L		U
1,1,2-TRICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHENE													5 UG/L		U
1,2-DICHLOROETHANE													5 UG/L		UJ
1,2-DICHLOROPROPANE													5 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		UJ
BENZENE													5 UG/L		UJ
BROMODICHLOROMETHANE													5 UG/L		U
BROMOFORM													5 UG/L		U

SAMPLE NUMBER:	003581			003581			066544			066574			066574		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													5 UG/L		U
CARBON TETRACHLORIDE													5 UG/L		UJ
CHLOROBENZENE													5 UG/L		UJ
CHLOROETHANE													10 UG/L		U
CHLOROFORM													5 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													5 UG/L		U
DIBROMOCHLOROMETHANE													5 UG/L		U
ETHYLBENZENE													5 UG/L		UJ
ISOBUTYL ALCOHOL													3000 UG/L		U
METHYLENE CHLORIDE													5 UG/L		U
STYRENE													5 UG/L		UJ
TETRACHLOROETHENE													5 UG/L		U
TOLUENE													5 UG/L		UJ
TRANS-1,3-DICHLOROPROPENE													5 UG/L		U
TRICHLOROETHENE													5 UG/L		U
TRICHLOROFLUOROMETHANE													5 UG/L		U
VINYL ACETATE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													5 UG/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066574	066442	066442	066475	066475
TASK:	9.25	9.25	9.25	9.25	9.25
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2084	2084	2084	2084	2084
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-AUG-89	29-JUN-89	29-JUN-89	29-JUN-89	29-JUN-89
NORTH COORDINATE:	481922.56	481922.56	481922.56	481922.56	481922.56
EAST COORDINATE:	1378940.3	1378940.3	1378940.3	1378940.3	1378940.3
QA TYPE:	NORMAL	NORMAL	NORMAL	DUPLICATE	DUPLICATE
QC OF:				066442	066442
SUFFIX/FILTERFLAG:	R-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	.53 NG/L		U												
HEXACHLORODIBENZO-P-DIOXINS	.1 NG/L		U												
HEXACHLORODIBENZOFURANS	.11 NG/L		U												
PENTACHLORODIBENZO-P-DIOXINS	.18 NG/L		U												
PENTACHLORODIBENZOFURANS	.11 NG/L		U												
TETRACHLORODIBENZO-P-DIOXINS	.082 NG/L		U												
TETRACHLORODIBENZOFURANS	.55 NG/L		U												
GENERAL CHEMISTRY															
CHLORIDE							176 MG/L		-				182 MG/L		-
FLUORIDE							.165 MG/L		-				.15 MG/L		-
NITRATE							9.01 MG/L		J				7.48 MG/L		J
SULFATE							562 MG/L		-				628 MG/L		-
TOTAL ORGANIC CARBON							4.03 MG/L		-				3.346 MG/L		-
TOTAL ORGANIC HALIDES							.01 MG/L		UJ				.0251 MG/L		J
INORGANICS															
ALUMINUM				.232 MG/L		-				.227 MG/L		-			
BARIUM				.0828 MG/L		-				.086 MG/L		-			
BERYLLIUM				.0034 MG/L		-				.0027 MG/L		-			
CALCIUM				325 MG/L		-				381 MG/L		-			
CHROMIUM				.0855 MG/L		-				.0862 MG/L		-			

SAMPLE NUMBER:	066574			066442			066442			066475			066475		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	R-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT				.011 MG/L		-				.01 MG/L		U			
COPPER				.01 MG/L		U				.01 MG/L		U			
IRON				2.085 MG/L		-				1.22 MG/L		-			
LEAD				.0033 MG/L		-				.004 MG/L		-			
MAGNESIUM				89.4 MG/L		-				93.3 MG/L		-			
NICKEL				.0407 MG/L		-				.0431 MG/L		-			
SILVER				.0184 MG/L		-				.0146 MG/L		-			
VANADIUM				.0548 MG/L		-				.0578 MG/L		-			
ZINC				.1351 MG/L		-				.0554 MG/L		-			
RADIONUCLIDES															
URANIUM-238							6.3 PCI/L	.9	-				9.9 PCI/L	1.4	-
URANIUM, TOTAL							22 UG/L	4	-				29 UG/L	6	-
URANIUM-234							7.8 PCI/L	1.1	-				10.1 PCI/L	1.4	-
THORIUM-230							1 PCI/L		U				1 PCI/L		U
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-228							1 PCI/L		U				1 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
VOLATILES															
1,1-DICHLOROETHANE							5 UG/L		U				5 UG/L		U
ACETONE							21 UG/L		U				2 UG/L		U
METHYLENE CHLORIDE							6 UG/L		U				6 UG/L		U
TETRACHLOROETHENE							5 UG/L		U				5 UG/L		U
TOLUENE							5 UG/L		UJ				5 UG/L		UJ
TRICHLOROETHENE							5 UG/L		U				5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930501-1	GW930501-1	GW930501-1	GW930501-1	GW930501-1
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	CORE	DATACHEM	DATACHEM	FERMCO
WELL OR BORING NUMBER:	2091	2091	2091	2091	2091
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-MAY-93	01-MAY-93	01-MAY-93	01-MAY-93	01-MAY-93
NORTH COORDINATE:	477826.61	477826.61	477826.61	477826.61	477826.61
EAST COORDINATE:	1384448.64	1384448.64	1384448.64	1384448.64	1384448.64
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										370 MG/L		-			
AMMONIA										.05 MG/L		U			
BICARBONATE ALKALINITY										460 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										37 MG/L		-			
FLUORIDE										.2 MG/L		-			
NITRATE/NITRITE										7.8 MG/L		-			
PH										7.1 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.1 MG/L		-			
SPECIFIC CONDUCTIVITY										940 UMHOS/CM		-			
SULFATE										71 MG/L		-			
TOTAL DISSOLVED SOLIDS							580 MG/L		-						
TOTAL KJELDAHL NITROGEN										.2 MG/L		-			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.01 MG/L		UJ			
TOTAL SOLIDS										620 MG/L		-			
INORGANICS															
ALUMINUM							.0189 MG/L		U	.191 MG/L		U			
ANTIMONY							.045 MG/L		U	.045 MG/L		U			
ARSENIC							.001 MG/L		U	.001 MG/L		U			
BARIUM							.0946 MG/L		-	.153 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.003 MG/L		U	.003 MG/L		U			
CALCIUM							129 MG/L		-	135 MG/L		-			

SAMPLE NUMBER:	GW930501-1			GW930501-1			GW930501-1			GW930501-1			GW930501-1		
LAB:	CORE			CORE			DATACHEM			DATACHEM			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM							.0083 MG/L		U	.0127 MG/L		U			
COBALT							.006 MG/L		U	.006 MG/L		U			
COPPER							.004 MG/L		U	.004 MG/L		U			
CYANIDE							.01 MG/L		U	.01 MG/L		U			
IRON							.0491 MG/L		U	1.89 MG/L		-			
LEAD							.001 MG/L		UJ	.001 MG/L		UJ			
MAGNESIUM							32.5 MG/L		-	35.8 MG/L		-			
MANGANESE							.0036 MG/L		U	.279 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.019 MG/L		U	.019 MG/L		U			
POTASSIUM							4.15 MG/L		U	4.02 MG/L		U			
SELENIUM							.002 MG/L		U	.002 MG/L		U			
SILVER							.003 MG/L		UJ	.003 MG/L		UJ			
SODIUM							21 MG/L		-	20.6 MG/L		-			
THALLIUM							.001 MG/L		UJ	.001 MG/L		U			
VANADIUM							.0055 MG/L		U	.004 MG/L		U			
ZINC							.0121 MG/L		J	.0066 MG/L		J			
RADIONUCLIDES															
URANIUM-238	.5 PCI/L	.2	J	.3 PCI/L	.2	UJ									
URANIUM, TOTAL	1.9 UG/L	.1	-	1.6 UG/L	.1	-							1.3 UG/L		NV
URANIUM-234	.9 PCI/L	.3	J	.7 PCI/L	.2	J									
THORIUM-230	.3 PCI/L	.3	UJ	.2 PCI/L	.1	U									
RADIUM-226	1 PCI/L	.3	UJ	1 PCI/L	.3	UJ									
URANIUM-235/236	.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ									
THORIUM-232	.2 PCI/L	.3	UJ	1.2 PCI/L	.3	-									
THORIUM, TOTAL	.912 PCI/L	.3	NV	10.944 PCI/L	.3	NV									
RADIUM-228	3 PCI/L	1.2	UJ	3 PCI/L	1.2	U									
THORIUM-228	.2 PCI/L	.5	UJ	.2 PCI/L	.1	U									
GROSS ALPHA	3.1 PCI/L	2.3	UNV	6.3 PCI/L	2.9	UNV									
GROSS BETA	3.4 PCI/L	2.1	UNV	6.9 PCI/L	2.7	NV									
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			

SAMPLE NUMBER:	GW930501-1			GW930501-1			GW930501-1			GW930501-1			GW930501-1		
LAB:	CORE			CORE			DATACHEM			DATACHEM			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930501-1			003678			003678			003389			003389		
TASK:	50.03.23			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	FERMCO			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2091			2091			2091			2091			2091		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	01-MAY-93			01-NOV-88			01-NOV-88			02-AUG-88			02-AUG-88		
NORTH COORDINATE:	477826.61			477826.61			477826.61			477826.61			477826.61		
EAST COORDINATE:	1384448.64			1384448.64			1384448.64			1384448.64			1384448.64		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U				.1 MG/L		UJ
CHLORIDE							41.5 MG/L		-				44 MG/L		J
FLUORIDE							.5 MG/L		UJ				.99 MG/L		J
NITRATE							.1 MG/L		R				5.8 MG/L		J
PHENOLS							.03 MG/L		-				.05 MG/L		UJ
PHOSPHORUS							.15 MG/L		-				.02 MG/L		J
SULFATE							95 MG/L		-				110 MG/L		J
TOTAL KJELDAHL NITROGEN							.24 MG/L		-						
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC NITROGEN							.2 MG/L		-				.1 MG/L		UJ
INORGANICS															
ARSENIC				.002 MG/L		U				.01 MG/L		U			
BARIUM				.09 MG/L		-				.2 MG/L		U			
CADMIUM				.002 MG/L		U				.005 MG/L		U			
CALCIUM				120 MG/L		-				130 MG/L		-			
CHROMIUM				.02 MG/L		U				.01 MG/L		U			
COPPER				.01 MG/L		U				.03 MG/L		U			
IRON				.01 MG/L		U				.1 MG/L		U			
LEAD				.002 MG/L		UJ				.005 MG/L		U			
MAGNESIUM				33.6 MG/L		-				33 MG/L		-			
MANGANESE				.006 MG/L		-				.02 MG/L		U			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.02 MG/L		U				.05 MG/L		U			
NICKEL				.02 MG/L		U				.04 MG/L		U			
POTASSIUM				4.77 MG/L		-				5 MG/L		U			

SAMPLE NUMBER:	GW930501-1			003678			003678			003389			003389		
LAB:	FERMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.005 MG/L		-				.005 MG/L		U			
SILVER				.01 MG/L		UJ				.01 MG/L		U			
SODIUM				13.5 MG/L		-				15 MG/L		-			
RADIONUCLIDES															
URANIUM-238							1 PCI/L		UJ				1 PCI/L		UJ
URANIUM, TOTAL	1.4 UG/L		NV				1 UG/L		U				1 UG/L		U
URANIUM-234							1 PCI/L		UJ				1 PCI/L		UJ
THORIUM-230							1 PCI/L		UJ				1 PCI/L		UJ
RADIUM-226							1 PCI/L		UJ				1 PCI/L		U
URANIUM-235/236							1 PCI/L		UJ				1 PCI/L		UJ
THORIUM-232							1 PCI/L		UJ				1 PCI/L		UJ
THORIUM, TOTAL							3 UG/L		UJ				4 UG/L		UJ
RADIUM-228							3 PCI/L		UJ				3 PCI/L		U
THORIUM-228							1 PCI/L		UJ				1 PCI/L		UJ
NEPTUNIUM-237							1 PCI/L		UJ				1 PCI/L		UJ
PLUTONIUM-239/240							1 PCI/L		U				1 PCI/L		R
PLUTONIUM-238							1 PCI/L		U				1 PCI/L		R
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_685	003875	003875	GW930810-6	GW930810-6
TASK:	GWMON	3.2.4	3.2.4	50.03.22	50.03.22
LAB:	NET	IT	IT	CORE	FERMCO
WELL OR BORING NUMBER:	2091	2091	2091	2091	2091
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-OCT-90	06-FEB-89	06-FEB-89	10-AUG-93	10-AUG-93
NORTH COORDINATE:	477826.61	477826.61	477826.61	477826.61	477826.61
EAST COORDINATE:	1384448.64	1384448.64	1384448.64	1384448.64	1384448.64
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	292 MG/L		NV												
AMMONIA	.02 MG/L		UNV				.1 MG/L		U						
CHLORIDE	39 MG/L		NV				51 MG/L		-						
FLUORIDE	.28 MG/L		NV				.15 MG/L		-						
NITRATE	8.4 MG/L		NV				9.02 MG/L		J						
NITRATE/NITRITE	8.4 MG/L		NV												
PH	7.29 SU		NV				.01 MG/L		R						
PHENOLS	.005 MG/L		UNV				.01 MG/L		R						
PHOSPHORUS	.39 MG/L		NV				.44 MG/L		J						
SPECIFIC CONDUCTIVITY	887 UMHOS/CM		NV												
SULFATE	116 MG/L		NV				103 MG/L		-						
TOTAL DISSOLVED SOLIDS	885 MG/L		NV												
TOTAL KJELDAHL NITROGEN							.357 MG/L		J						
TOTAL ORGANIC CARBON	1 MG/L		UNV												
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.357 MG/L		J						
INORGANICS															
ARSENIC				.002 MG/L		U									
BARIUM				.106 MG/L		-									
CADMIUM				.007 MG/L		-									
CALCIUM				142 MG/L		-									
CHROMIUM				.032 MG/L		-									
COPPER				.014 MG/L		-									
CYANIDE	.005 MG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_685			003875			003875			GW930810-6			GW930810-6		
LAB:	NET			IT			IT			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				.03 MG/L		U									
LEAD				.002 MG/L		U									
MAGNESIUM				40.3 MG/L		-									
MANGANESE				.007 MG/L		U									
MERCURY				.0005 MG/L		J									
MOLYBDENUM				.02 MG/L		U									
NICKEL				.02 MG/L		U									
POTASSIUM				4.17 MG/L		-									
SELENIUM				.002 MG/L		U									
SILVER				.0005 MG/L		U									
SODIUM				17.6 MG/L		-									
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U						
URANIUM, TOTAL							1 UG/L	1	J	1.2 UG/L	.1	-	.9 UG/L		NV
URANIUM-234							1 PCI/L		U						
THORIUM-230							1 PCI/L		U						
RADIUM-226							1 PCI/L		U	1 PCI/L	.3	UJ			
URANIUM-235/236							1 PCI/L		U						
THORIUM-232							1 PCI/L		U						
THORIUM, TOTAL							8 UG/L		U						
RADIUM-228							3 PCI/L		UJ	3 PCI/L	1.3	UJ			
THORIUM-228							1.4 PCI/L	.7	-						
NEPTUNIUM-237							1.1 PCI/L		U						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
GROSS ALPHA										3.7 PCI/L	1.9	UNV			
GROSS BETA										4.8 PCI/L	2.8	UNV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												

VOLATILES

1,1,1-TRICHLOROETHANE 1 UG/L UNV
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	EMGW_SYSGEN_685	003875	003875	GW930810-6	GW930810-6
LAB:	NET	IT	IT	CORE	FERMCO
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930810-6	GW930810-6	004229	004229	004070
TASK:	50.03.22	50.03.22	3.2.4	3.2.4	3.2.4
LAB:	NET	NET	IT	IT	IT
WELL OR BORING NUMBER:	2091	2091	2091	2091	2091
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-AUG-93	10-AUG-93	23-APR-90	23-APR-90	25-APR-89
NORTH COORDINATE:	477826.61	477826.61	477826.61	477826.61	477826.61
EAST COORDINATE:	1384448.64	1384448.64	1384448.64	1384448.64	1384448.64
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				332 MG/L		-									
AMMONIA										.1 MG/L		-			
BICARBONATE ALKALINITY				439 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE										42 MG/L		J			
FLUORIDE										.2 MG/L		-			
NITRATE										4.1 MG/L		J			
PH				7.39 SU		-				.062 MG/L		-			
PHENOLS										.062 MG/L		-			
PHOSPHORUS										.3 MG/L		-			
SPECIFIC CONDUCTIVITY				843 UMHOS/CM		-									
SULFATE										105 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL DISSOLVED SOLIDS	574 MG/L		-												
TOTAL ORGANIC CARBON										1 MG/L		-			
TOTAL ORGANIC NITROGEN										.1 MG/L		UJ			
TOTAL SOLIDS				680 MG/L		-									
INORGANICS															
ALUMINUM							.089 MG/L		-						
ARSENIC							.002 MG/L		U				.002 MG/L		U
BARIUM							.109 MG/L		-				.142 MG/L		-
CADMIUM							.004 MG/L		-				.0035 MG/L		-
CALCIUM							131 MG/L		-				145 MG/L		-
CHROMIUM							.02 MG/L		-				.014 MG/L		U
COPPER							.01 MG/L		-				.384 MG/L		-

SAMPLE NUMBER:	GW930810-6			GW930810-6			004229			004229			004070		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON							.05 MG/L		-				.569 MG/L		-
LEAD							.002 MG/L		U				.002 MG/L		UJ
MAGNESIUM							32.4 MG/L		-				35 MG/L		-
MANGANESE							.009 MG/L		-				.0065 MG/L		-
MERCURY							.0002 MG/L		U				.0045 MG/L		J
MOLYBDENUM							.011 MG/L		-				.003 MG/L		U
NICKEL							.02 MG/L		U				.006 MG/L		U
POTASSIUM							6.81 MG/L		-				8.42 MG/L		-
SELENIUM							.003 MG/L		U				.0033 MG/L		-
SILICON							2.5 MG/L		-						
SILVER							.01 MG/L		U				.0005 MG/L		U
SODIUM							16.8 MG/L		-				25.6 MG/L		-
VANADIUM							.013 MG/L		-						
RADIONUCLIDES															
URANIUM-238										1 PCI/L		U			
URANIUM, TOTAL										1.88 UG/L	.73	J			
URANIUM-234										1 PCI/L		U			
THORIUM-230										1 PCI/L		U			
RADIUM-226										1 PCI/L		R			
URANIUM-235/236										1 PCI/L		U			
THORIUM-232										1 PCI/L		U			
THORIUM, TOTAL										1.2 UG/L		U			
RADIUM-228										3 PCI/L		UJ			
THORIUM-228										1 PCI/L		U			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		UJ			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004070	EMGW_SYSGEN_684	EMGW_SYSGEN_687	EMGW_SYSGEN_687	EMGW_SYSGEN_687
TASK:	3.2.4	GWMON	GWMON	GWMON	GWMON
LAB:	IT	IT	NET	NET	WMCO
WELL OR BORING NUMBER:	2091	2091	2091	2091	2091
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-APR-89	29-MAR-90	30-OCT-91	30-OCT-91	30-OCT-91
NORTH COORDINATE:	477826.61	477826.61	477826.61	477826.61	477826.61
EAST COORDINATE:	1384448.64	1384448.64	1384448.64	1384448.64	1384448.64
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										320 MG/L		NV			
AMMONIA	.1 MG/L		U												
BICARBONATE										316 MG/L		NV			
CARBONATE ALKALINITY										4 MG/L		NV			
CHLORIDE	45.48 MG/L		-							32 MG/L		NV			
FLUORIDE	.11 MG/L		-												
NITRATE	13.14 MG/L		J							6.12 MG/L		NV			
NITRATE, AS NITROGEN										6.12 MG/L		NV			
PH	.005 MG/L		U							7.05 SU		NV			
PHENOLS	.005 MG/L		U												
PHOSPHORUS	.493 MG/L		-												
SPECIFIC CONDUCTIVITY										860 UMHOS/CM		NV			
SULFATE	62.32 MG/L		-							83 MG/L		NV			
TOTAL DISSOLVED SOLIDS										480 MG/L		NV			
TOTAL KJELDAHL NITROGEN	.1 MG/L		U												
TOTAL ORGANIC CARBON										13 MG/L		NV			
TOTAL ORGANIC HALIDES	.0205 MG/L		J												
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
INORGANICS															
ALUMINUM							.2 MG/L		UNV						
ANTIMONY							.02 MG/L		UNV						
ARSENIC							.005 MG/L		UNV						
BARIUM							.2 MG/L		UNV						
BERYLLIUM							.005 MG/L		UNV						

SAMPLE NUMBER:	004070			EMGW_SYSGEN_684			EMGW_SYSGEN_687			EMGW_SYSGEN_687			EMGW_SYSGEN_687		
LAB:	IT			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM							.001 MG/L		UNV						
CALCIUM							94.9 MG/L		NV						
CHROMIUM										.002 MG/L		UNV			
COBALT							.005 MG/L		UNV						
COPPER							.02 MG/L		UNV						
IRON							.1 MG/L		UNV						
LEAD							.003 MG/L		UNV						
MAGNESIUM							29.5 MG/L		NV						
MANGANESE							.015 MG/L		UNV						
MERCURY							.0002 MG/L		UNV						
MOLYBDENUM							.01 MG/L		UNV						
NICKEL							.01 MG/L		UNV						
POTASSIUM							4.4 MG/L		NV						
SELENIUM							.005 MG/L		UNV						
SILVER							.001 MG/L		UNV						
SODIUM							12.9 MG/L		NV						
THALLIUM							.01 MG/L		UNV						
VANADIUM							.005 MG/L		UNV						
ZINC							.041 MG/L		NV						
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U	.34 PCI/L		NV									
URANIUM, TOTAL	1.2 UG/L	.2	-	1.02 UG/L		NV							1.3 UG/L		NV
URANIUM-234	1 PCI/L		U	.29 PCI/L		NV									
THORIUM-230	1 PCI/L		U												
RADIUM-226	1 PCI/L		U												
URANIUM-235/236	1 PCI/L		U	.24 PCI/L		UNV									
THORIUM-232	1 PCI/L		U												
THORIUM, TOTAL	3 UG/L		U												
RADIUM-228	3 PCI/L		UJ												
THORIUM-228	1 PCI/L		U												
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		U												
PLUTONIUM-238	1 PCI/L		U												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U												
RUTHENIUM-106	150 PCI/L		U												

SAMPLE NUMBER:	004070			EMGW_SYSGEN_684			EMGW_SYSGEN_687			EMGW_SYSGEN_687			EMGW_SYSGEN_687		
LAB:	IT			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137	20 PCI/L		U												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_686			EMGW_SYSGEN_686			EMGW_SYSGEN_686			EMGW_SYSGEN_691			EMGW_SYSGEN_690		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			NET			WMCO			NET			IT		
WELL OR BORING NUMBER:	2091			2091			2091			2092			2092		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	30-SEP-91			30-SEP-91			30-SEP-91			03-OCT-90			09-APR-90		
NORTH COORDINATE:	477826.61			477826.61			477826.61			476613.61			476613.61		
EAST COORDINATE:	1384448.64			1384448.64			1384448.64			1384177.17			1384177.17		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				326 MG/L		NV				288 MG/L		NV			
AMMONIA										.05 MG/L		NV			
BICARBONATE				325 MG/L		NV									
CARBONATE ALKALINITY				1 MG/L		NV									
CHLORIDE				19 MG/L		NV				69 MG/L		NV			
FLUORIDE										.41 MG/L		NV			
NITRATE, AS NITROGEN				5.76 MG/L		NV									
NITRATE/NITRITE										2.3 MG/L		NV			
PH				7.06 SU		NV				7.48 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										.91 MG/L		NV			
SPECIFIC CONDUCTIVITY				879 UMHOS/CM		NV				816 UMHOS/CM		NV			
SULFATE				74 MG/L		NV				41 MG/L		NV			
TOTAL DISSOLVED SOLIDS				510 MG/L		NV				500 MG/L		NV			
TOTAL ORGANIC CARBON				13 MG/L		NV				3 MG/L		NV			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV				.04 MG/L		NV			
INORGANICS															
ALUMINUM	.2 MG/L		UNV												
ANTIMONY	.02 MG/L		UNV												
ARSENIC	.005 MG/L		UNV												
BARIUM	.2 MG/L		UNV												
BERYLLIUM	.005 MG/L		UNV												
CADMIUM	.001 MG/L		UNV												
CALCIUM	110 MG/L		NV												
CHROMIUM				.002 MG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_686			EMGW_SYSGEN_686			EMGW_SYSGEN_686			EMGW_SYSGEN_691			EMGW_SYSGEN_690		
LAB:	NET			NET			WMCO			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT	.005 MG/L		UNV												
COPPER	.02 MG/L		UNV												
CYANIDE										.005 MG/L		UNV			
IRON	.1 MG/L		UNV												
LEAD	.003 MG/L		UNV												
MAGNESIUM	32 MG/L		NV												
MANGANESE	.015 MG/L		UNV												
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	.01 MG/L		UNV												
NICKEL	.01 MG/L		UNV												
POTASSIUM	4.5 MG/L		NV												
SELENIUM	.005 MG/L		UNV												
SILVER	.001 MG/L		UNV												
SODIUM	12 MG/L		NV												
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV												
ZINC	.03 MG/L		NV												
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238													.389 PCI/L		NV
URANIUM, TOTAL							1.1 UG/L		NV				1.16 UG/L		NV
URANIUM-234													.495 PCI/L		NV
URANIUM-235/236													.24 PCI/L		UNV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV				10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV				1 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_686			EMGW_SYSGEN_686			EMGW_SYSGEN_686			EMGW_SYSGEN_691			EMGW_SYSGEN_690		
LAB:	NET			NET			WMCO			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE				1 UG/L		UNV				1 UG/L		UNV			
2-BUTANONE				2 UG/L		UNV				2 UG/L		UNV			
2-HEXANONE				2 UG/L		UNV				2 UG/L		UNV			
4-METHYL-2-PENTANONE				2 UG/L		UNV				2 UG/L		UNV			
ACETONE				2 UG/L		UNV				2 UG/L		UNV			
BENZENE				1 UG/L		UNV				1 UG/L		UNV			
BROMODICHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
BROMOFORM				1 UG/L		UNV				1 UG/L		UNV			
BROMOMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CARBON DISULFIDE				1 UG/L		UNV				1 UG/L		UNV			
CARBON TETRACHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROBENZENE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROFORM				1 UG/L		UNV				1 UG/L		UNV			
CHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
ETHYLBENZENE				1 UG/L		UNV				1 UG/L		UNV			
METHYLENE CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
STYRENE				1 UG/L		UNV				1 UG/L		UNV			
TETRACHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
TOLUENE				1 UG/L		UNV				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
TRICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
VINYL ACETATE				2 UG/L		UNV				2 UG/L		UNV			
VINYL CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
XYLENES, TOTAL				1 UG/L		UNV				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004338			004338			GW930515-2			GW930515-2			GW930515-2		
TASK:	3.2.4			3.2.4			50.03.23			50.03.23			50.03.23		
LAB:	IT			IT			CORE			CORE			FERMCO		
WELL OR BORING NUMBER:	2092			2092			2092			2092			2092		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	10-SEP-90			10-SEP-90			15-MAY-93			15-MAY-93			15-MAY-93		
NORTH COORDINATE:	476613.61			476613.61			476613.61			476613.61			476613.61		
EAST COORDINATE:	1384177.17			1384177.17			1384177.17			1384177.17			1384177.17		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U									
CHLORIDE				75.11 MG/L		-									
FLUORIDE				.16 MG/L		-									
NITRATE				2.14 MG/L		J									
PHENOLS				.011 MG/L		-									
PHOSPHORUS				.1 MG/L		-									
SULFATE				24.6 MG/L		J									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				2.62 MG/L		-									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.17 MG/L		J									
INORGANICS															
ALUMINUM	.06 MG/L		U												
ARSENIC	.002 MG/L		U												
BARIUM	.092 MG/L		-												
CADMIUM	.003 MG/L		-												
CALCIUM	95.4 MG/L		-												
CHROMIUM	.012 MG/L		-												
COPPER	.01 MG/L		U												
IRON	.063 MG/L		-												
LEAD	.002 MG/L		UJ												
MAGNESIUM	29.8 MG/L		-												
MANGANESE	.016 MG/L		-												
MERCURY	.0002 MG/L		-												
MOLYBDENUM	.01 MG/L		U												

SAMPLE NUMBER:	004338			004338			GW930515-2			GW930515-2			GW930515-2		
LAB:	IT			IT			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.041 MG/L		-												
POTASSIUM	4.29 MG/L		J												
SELENIUM	.002 MG/L		U												
SILICON	6.29 MG/L		-												
SILVER	.01 MG/L		U												
SODIUM	50.1 MG/L		-												
VANADIUM	.01 MG/L		U												
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U	.7 PCI/L	.4	-	.5 PCI/L	.2	-			
URANIUM, TOTAL				2.28 UG/L	.84	-	.9 UG/L	.1	-	.9 UG/L	.1	-	.9 UG/L		NV
URANIUM-234				1 PCI/L		U	.6 PCI/L	.4	-	.6 PCI/L	.3	-			
THORIUM-230				1 PCI/L		U	.2 PCI/L	.1	UJ	.7 PCI/L	.4	-			
RADIUM-226				1 PCI/L		U	1.1 PCI/L	.3	J	1 PCI/L	.3	UJ			
URANIUM-235/236				1 PCI/L		U	.2 PCI/L	.3	U	.2 PCI/L	.2	U			
THORIUM-232				1 PCI/L		U	.3 PCI/L	.1	J	.8 PCI/L	.3	U			
THORIUM, TOTAL				1.5 UG/L		U	2.73607816 PCI/L	.1	NV						
RADIUM-228				4.87 PCI/L	1.14	J	3 PCI/L	1.2	U	3 PCI/L	1.1	U			
THORIUM-228				1 PCI/L		U	.6 PCI/L	.1	J	.5 PCI/L	.1	R			
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		UJ									
TECHNETIUM-99				31.7 PCI/L		UJ									
RUTHENIUM-106				20 PCI/L		R									
CESIUM-137				150 PCI/L		R									
GROSS ALPHA							2.9 PCI/L	1.8	NV	6 PCI/L	2.8	UNV			
GROSS BETA							3.5 PCI/L	2.1	UNV	.7 PCI/L	2.5	UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930515-2	GW930515-2	GW930515-2	004230	004230
TASK:	50.03.23	50.03.23	50.03.23	3.2.4	3.2.4
LAB:	FERMCO	NET	NET	IT	IT
WELL OR BORING NUMBER:	2092	2092	2092	2092	2092
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-MAY-93	15-MAY-93	15-MAY-93	24-APR-90	24-APR-90
NORTH COORDINATE:	476613.61	476613.61	476613.61	476613.61	476613.61
EAST COORDINATE:	1384177.17	1384177.17	1384177.17	1384177.17	1384177.17
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							366 MG/L		-						
AMMONIA							.02 MG/L		U				.2 MG/L		-
BICARBONATE ALKALINITY							445 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE							45 MG/L		-				40 MG/L		-
FLUORIDE							.16 MG/L		-				.2 MG/L		-
NITRATE							2.28 MG/L		-				1.3 MG/L		J
PH							7.18 SU		-				.005 MG/L		U
PHENOLS							.01 MG/L		U				.005 MG/L		U
PHOSPHORUS							.306 MG/L		U				.8 MG/L		-
SPECIFIC CONDUCTIVITY							764 UMHOS/CM		-						
SULFATE							53 MG/L		J				22.8 MG/L		-
SULFIDE													.5 MG/L		UJ
TOTAL DISSOLVED SOLIDS				467 MG/L		-									
TOTAL KJELDAHL NITROGEN							.1 MG/L		U						
TOTAL ORGANIC CARBON							1 MG/L		U				2 MG/L		-
TOTAL ORGANIC HALOGENS							.01 MG/L		U						
TOTAL ORGANIC NITROGEN							.1 MG/L		U				.1 MG/L		J
TOTAL SOLIDS							488 MG/L		-						
INORGANICS															
ALUMINUM				.02 MG/L		U	.02 MG/L		U	.06 MG/L		U			
ANTIMONY				.045 MG/L		UJ	.045 MG/L		U						
ARSENIC				.002 MG/L		UJ	.002 MG/L		U	.002 MG/L		U			
BARIUM				.0767 MG/L		-	.0806 MG/L		-	.105 MG/L		-			
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						

SAMPLE NUMBER:	GW930515-2			GW930515-2			GW930515-2			004230			004230		
LAB:	FERMCO			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM				.003 MG/L		U	.003 MG/L		U	.002 MG/L		U			
CALCIUM				93 MG/L		-	108 MG/L		-	98.2 MG/L		-			
CHROMIUM				.005 MG/L		U	.0732 MG/L		-	.01 MG/L		U			
COBALT				.008 MG/L		U	.008 MG/L		U						
COPPER				.0084 MG/L		U	.0071 MG/L		-	.01 MG/L		U			
CYANIDE				.01 MG/L		UJ	.01 MG/L		U						
IRON				.0288 MG/L		U	.878 MG/L		-	.029 MG/L		U			
LEAD				.001 MG/L		U	.001 MG/L		U	.002 MG/L		U			
MAGNESIUM				28.7 MG/L		-	31.3 MG/L		-	30.6 MG/L		-			
MANGANESE				.001 MG/L		U	.0161 MG/L		-	.006 MG/L		-			
MERCURY				.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			
NICKEL				.0513 MG/L		-	.065 MG/L		-	.026 MG/L		-			
POTASSIUM				1.61 MG/L		U	2.44 MG/L		-	5.02 MG/L		-			
SELENIUM				.0018 MG/L		UJ	.0028 MG/L		-	.003 MG/L		U			
SILICON										3.3 MG/L		-			
SILVER				.007 MG/L		U	.007 MG/L		U	.01 MG/L		U			
SODIUM				31.5 MG/L		-	30.4 MG/L		-	39.8 MG/L		-			
THALLIUM				.002 MG/L		U	.002 MG/L		U						
VANADIUM				.003 MG/L		U	.003 MG/L		U	.01 MG/L		U			
ZINC				.0122 MG/L		U	.005 MG/L		-						
RADIONUCLIDES															
URANIUM-238													4.83 PCI/L	.84	-
URANIUM, TOTAL	.9 UG/L		NV										7.84 UG/L	1.63	-
URANIUM-234													11.2 PCI/L	1.6	-
THORIUM-230													6.79 PCI/L	1.9	-
RADIUM-226													1.06 PCI/L	.17	NV
URANIUM-235/236													1 PCI/L		U
THORIUM-232													2.73 PCI/L	1.08	-
THORIUM, TOTAL													24.6 UG/L	9.8	-
RADIUM-228													3 PCI/L		UJ
THORIUM-228													4.92 PCI/L	1.53	-
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													7.12 PCI/L	3.71	R
TECHNETIUM-99													30 PCI/L		R
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R

VOLATILES

1,1,1-TRICHLOROETHANE 10 UG/L UJ
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930515-2			GW930515-2			GW930515-2			004230			004230		
LAB:	FERMCO			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		U						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		UJ						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

SAMPLE NUMBER:	003829			003829			003365			003365			004073		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2092			2092			2092			2092			2092		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	24-JAN-89			24-JAN-89			24-JUL-88			24-JUL-88			26-APR-89		
NORTH COORDINATE:	476613.61			476613.61			476613.61			476613.61			476613.61		
EAST COORDINATE:	1384177.17			1384177.17			1384177.17			1384177.17			1384177.17		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.02 MG/L		U			
CHLORIDE				.1 MG/L		UJ				149 MG/L		-			
FLUORIDE				90 MG/L		J				.2 MG/L		-			
NITRATE				.2 MG/L		J				4.45 MG/L		J			
PHENOLS				2 MG/L		J				.002 MG/L		U			
PHOSPHORUS				.01 MG/L		UJ				.12 MG/L		-			
SULFATE				.1 MG/L		UJ				34 MG/L		-			
TOTAL KJELDAHL NITROGEN				73 MG/L		J									
TOTAL ORGANIC HALIDES				.1 MG/L		J									
TOTAL ORGANIC NITROGEN				.01 MG/L		UJ									
				.1 MG/L		J									
INORGANICS										.05 MG/L		R			
ARSENIC	.002 MG/L		UJ												
BARIUM	.084 MG/L		J				.01 MG/L		U				.002 MG/L		U
CADMIUM	.006 MG/L		J				.5 MG/L		U				.0853 MG/L		-
CALCIUM	114 MG/L		J				.005 MG/L		U				.0047 MG/L		-
CHROMIUM	.025 MG/L		J				110 MG/L		-				118 MG/L		-
COPPER	.013 MG/L		J				.01 MG/L		U				.0096 MG/L		U
IRON	.062 MG/L		UJ				.01 MG/L		U				.0072 MG/L		-
LEAD	.002 MG/L		UJ				.1 MG/L		U				.0499 MG/L		U
MAGNESIUM	32.6 MG/L		J				.005 MG/L		U				.002 MG/L		UJ
MANGANESE	.007 MG/L		J				29 MG/L		-				34 MG/L		-
MERCURY	.0002 MG/L		UJ				.03 MG/L		-				.0095 MG/L		-
MOLYBDENUM	.02 MG/L		UJ				.0002 MG/L		U				.0002 MG/L		U
NICKEL	.032 MG/L		J				.05 MG/L		U				.003 MG/L		U
POTASSIUM	2.75 MG/L		J				.03 MG/L		U				.0162 MG/L		-
							3 MG/L		-				2.3 MG/L		-

SAMPLE NUMBER:	003829			003829			003365			003365			004073		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.002 MG/L		UJ				.005 MG/L		UJ				.002 MG/L		U
SILVER	.0005 MG/L		UJ				.01 MG/L		U				.0005 MG/L		U
SODIUM	58 MG/L		J				280 MG/L		-				35.1 MG/L		-
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				2.5 PCI/L	.5	J			
URANIUM, TOTAL				1 UG/L	1	J				14 UG/L	1	-			
URANIUM-234				1 PCI/L		U				2.5 PCI/L	.5	J			
THORIUM-230				1 PCI/L		U				1 PCI/L		U			
RADIUM-226				1 PCI/L		U				3.3 PCI/L	.8	J			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		UJ			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL				3 UG/L		U				3 UG/L		U			
RADIUM-228				3 PCI/L		UJ				3 PCI/L		R			
THORIUM-228				1 PCI/L		U				1 PCI/L		U			
NEPTUNIUM-237				1 PCI/L		UJ				1 PCI/L		U			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		UJ			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		UJ			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004073	003644	003644	EMGW_SYSGEN_693	EMGW_SYSGEN_693
TASK:	3.2.4	3.2.4	3.2.4	GWMON	GWMON
LAB:	IT	IT	IT	NET	NET
WELL OR BORING NUMBER:	2092	2092	2092	2092	2092
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-APR-89	26-OCT-88	26-OCT-88	30-OCT-91	30-OCT-91
NORTH COORDINATE:	476613.61	476613.61	476613.61	476613.61	476613.61
EAST COORDINATE:	1384177.17	1384177.17	1384177.17	1384177.17	1384177.17
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													334 MG/L		NV
AMMONIA	.122 MG/L		-				.1 MG/L		U						
BICARBONATE													330 MG/L		NV
CARBONATE ALKALINITY													4 MG/L		NV
CHLORIDE	45.99 MG/L		-				56 MG/L		-				77 MG/L		NV
FLUORIDE	.16 MG/L		-				.19 MG/L		-						
NITRATE	3.59 MG/L		R				.1 MG/L		R				2.16 MG/L		NV
NITRATE, AS NITROGEN													2.16 MG/L		NV
PH	.005 MG/L		U				.01 MG/L		U				7.18 SU		NV
PHENOLS	.005 MG/L		U				.01 MG/L		U						
PHOSPHORUS	267 MG/L		-				.02 MG/L		U						
SPECIFIC CONDUCTIVITY													868 UMHOS/CM		NV
SULFATE	72.72 MG/L		-				27 MG/L		J				51 MG/L		NV
TOTAL DISSOLVED SOLIDS													466 MG/L		NV
TOTAL KJELDAHL NITROGEN	.824 MG/L		-				.32 MG/L		-						
TOTAL ORGANIC CARBON													10 MG/L		NV
TOTAL ORGANIC HALIDES	.01 MG/L		R				.05 MG/L		U						
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN	.702 MG/L		-				.32 MG/L		-						
INORGANICS															
ALUMINUM										.2 MG/L		UNV			
ANTIMONY										.02 MG/L		UNV			
ARSENIC				.002 MG/L		U				.005 MG/L		UNV			
BARIUM				.09 MG/L		-				.2 MG/L		UNV			
BERYLLIUM										.005 MG/L		UNV			

SAMPLE NUMBER:	004073			003644			003644			EMGW_SYSGEN_693			EMGW_SYSGEN_693		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM				.002 MG/L		U				.001 MG/L		UNV			
CALCIUM				105 MG/L		-				49.9 MG/L		NV			
CHROMIUM				.02 MG/L		U							.0022 MG/L		UNV
COBALT										.005 MG/L		UNV			
COPPER				.01 MG/L		U				.02 MG/L		UNV			
IRON				.1 MG/L		U				.1 MG/L		UNV			
LEAD				.002 MG/L		J				.003 MG/L		UNV			
MAGNESIUM				29.3 MG/L		-				23.8 MG/L		NV			
MANGANESE				.008 MG/L		-				.015 MG/L		UNV			
MERCURY				.0002 MG/L		U				.0002 MG/L		UNV			
MOLYBDENUM				.02 MG/L		U				.01 MG/L		UNV			
NICKEL				.02 MG/L		U				.0385 MG/L		NV			
POTASSIUM				2.393 MG/L		-				2.3 MG/L		NV			
SELENIUM				.002 MG/L		U				.005 MG/L		UNV			
SILVER				.0005 MG/L		U				.001 MG/L		UNV			
SODIUM				82.7 MG/L		-				55.8 MG/L		NV			
THALLIUM										.01 MG/L		UNV			
VANADIUM										.005 MG/L		UNV			
ZINC										.041 MG/L		NV			
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1 PCI/L		UJ						
URANIUM, TOTAL	1.5 UG/L	.3	-				1 UG/L		U						
URANIUM-234	1 PCI/L		U				1 PCI/L		UJ						
THORIUM-230	1 PCI/L		U				1 PCI/L		UJ						
RADIUM-226	1 PCI/L		U				1 PCI/L		U						
URANIUM-235/236	1 PCI/L		U				1 PCI/L		UJ						
THORIUM-232	1 PCI/L		U				1 PCI/L		UJ						
THORIUM, TOTAL	4 UG/L		U				3 UG/L		UJ						
RADIUM-228	3 PCI/L		UJ				3 PCI/L		U						
THORIUM-228	1 PCI/L		U				1 PCI/L		UJ						
NEPTUNIUM-237	1 PCI/L		UJ				1 PCI/L		UJ						
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		UJ						
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		UJ						
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		UJ				30 PCI/L		U						
RUTHENIUM-106	150 PCI/L		UJ				150 PCI/L		R						

SAMPLE NUMBER:	004073			003644			003644			EMGW_SYSGEN_693			EMGW_SYSGEN_693		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137	20 PCI/L		UJ				20 PCI/L		R						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_693	EMGW_SYSGEN_692	EMGW_SYSGEN_692	EMGW_SYSGEN_692	003386
TASK:	GWMON	GWMON	GWMON	GWMON	3.2.4
LAB:	WMCO	NET	NET	WMCO	IT
WELL OR BORING NUMBER:	2092	2092	2092	2092	2093
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-OCT-91	30-SEP-91	30-SEP-91	30-SEP-91	02-AUG-88
NORTH COORDINATE:	476613.61	476613.61	476613.61	476613.61	475317.29
EAST COORDINATE:	1384177.17	1384177.17	1384177.17	1384177.17	1381403.28
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							321 MG/L		NV						
BICARBONATE							320 MG/L		NV						
CARBONATE ALKALINITY							1 MG/L		NV						
CHLORIDE							91 MG/L		NV						
NITRATE, AS NITROGEN							2 MG/L		NV						
PH							7.17 SU		NV						
SPECIFIC CONDUCTIVITY							911 UMHOS/CM		NV						
SULFATE							53 MG/L		NV						
TOTAL DISSOLVED SOLIDS							466 MG/L		NV						
TOTAL ORGANIC CARBON							15 MG/L		NV						
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.2 MG/L		UNV									
ANTIMONY				.02 MG/L		UNV									
ARSENIC				.005 MG/L		UNV							.01 MG/L		U
BARIUM				.2 MG/L		UNV							.2 MG/L		U
BERYLLIUM				.005 MG/L		UNV									
CADMIUM				.001 MG/L		UNV							.005 MG/L		U
CALCIUM				95 MG/L		NV							100 MG/L		-
CHROMIUM							.125 MG/L		NV				.01 MG/L		U
COBALT				.005 MG/L		UNV									
COPPER				.02 MG/L		UNV							.03 MG/L		U
IRON				1.1 MG/L		NV							.1 MG/L		U
LEAD				.003 MG/L		UNV							.005 MG/L		U
MAGNESIUM				28 MG/L		NV							28 MG/L		-

SAMPLE NUMBER:	EMGW_SYSGEN_693			EMGW_SYSGEN_692			EMGW_SYSGEN_692			EMGW_SYSGEN_692			003386		
LAB:	WMCO			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE				.016 MG/L		NV							.03 MG/L		-
MERCURY				.0002 MG/L		UNV							.0002 MG/L		U
MOLYBDENUM				.01 MG/L		UNV							.05 MG/L		U
NICKEL				.055 MG/L		NV							.04 MG/L		U
POTASSIUM				2.6 MG/L		NV							5 MG/L		U
SELENIUM				.005 MG/L		UNV							.005 MG/L		U
SILVER				.001 MG/L		UNV							.01 MG/L		U
SODIUM				56 MG/L		NV							53 MG/L		-
THALLIUM				.01 MG/L		UNV									
VANADIUM				.05 MG/L		UNV									
ZINC				.02 MG/L		UNV									
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM, TOTAL	.7 UG/L		NV							.9 UG/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						

001566

SAMPLE NUMBER:	EMGW_SYSGEN_693			EMGW_SYSGEN_692			EMGW_SYSGEN_692			EMGW_SYSGEN_692			003386		
LAB:	WMCO			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003386			003387			003387			003873			003873		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2093			2093			2093			2093			2093		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-AUG-88			02-AUG-88			02-AUG-88			02-FEB-89			02-FEB-89		
NORTH COORDINATE:	475317.29			475317.29			475317.29			475317.29			475317.29		
EAST COORDINATE:	1381403.28			1381403.28			1381403.28			1381403.28			1381403.28		
QA TYPE:	NORMAL			DUPLICATE			DUPLICATE			NORMAL			NORMAL		
QC OF:				003386			003386								
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UJ				.1 MG/L		UJ				.1 MG/L		U
CHLORIDE	92 MG/L		J				100 MG/L		J						
FLUORIDE	.99 MG/L		J				.97 MG/L		J				.07 MG/L		-
NITRATE	6.2 MG/L		UJ				.74 MG/L		R				1.7 MG/L		J
PHENOLS	.05 MG/L		UJ				.03 MG/L		R				.01 MG/L		R
PHOSPHORUS	.1 MG/L		UJ				.1 MG/L		UJ				.08 MG/L		J
SULFATE	70 MG/L		J				72 MG/L		J				58.1 MG/L		-
TOTAL KJELDAHL NITROGEN													.304 MG/L		J
TOTAL ORGANIC HALIDES							.05 MG/L		UJ				.011 MG/L		-
TOTAL ORGANIC NITROGEN	.1 MG/L		UJ				.1 MG/L		R				.304 MG/L		-
INORGANICS															
ARSENIC				.01 MG/L		U				.002 MG/L		U			
BARIUM				.2 MG/L		U				.067 MG/L		-			
CADMIUM				.005 MG/L		U				.006 MG/L		-			
CALCIUM				100 MG/L		-				99.6 MG/L		-			
CHROMIUM				.01 MG/L		U				.022 MG/L		-			
COPPER				.03 MG/L		U				.022 MG/L		-			
IRON				.1 MG/L		U				.131 MG/L		-			
LEAD				.005 MG/L		U				.007 MG/L		-			
MAGNESIUM				28 MG/L		-				28.4 MG/L		-			
MANGANESE				.03 MG/L		-				.028 MG/L		-			
MERCURY				.0002 MG/L		U				.0002 MG/L		UJ			
MOLYBDENUM				.05 MG/L		U				.02 MG/L		U			
NICKEL				.04 MG/L		U				.045 MG/L		U			
POTASSIUM				5 MG/L		U				3.63 MG/L		-			

001668
000100
000290
64117

SAMPLE NUMBER:	003386			003387			003387			003873			003873		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.005 MG/L		U				.004 MG/L		J			
SILVER				.01 MG/L		U				.0005 MG/L		U			
SODIUM				52 MG/L		-				48.8 MG/L		-			
RADIONUCLIDES															
URANIUM-238	1 PCI/L		UJ				1 PCI/L		UJ				1 PCI/L		U
URANIUM, TOTAL	1 UG/L		U				1 UG/L	1	-				1 UG/L	.1	J
URANIUM-234	1 PCI/L		UJ				1 PCI/L		UJ				1 PCI/L		U
THORIUM-230	1.5 PCI/L	.7	J				1 PCI/L		UJ				1 PCI/L		U
RADIUM-226	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM-235/236	1 PCI/L		UJ				1 PCI/L		UJ				1 PCI/L		U
THORIUM-232	1 PCI/L		UJ				1 PCI/L		UJ				1 PCI/L		U
THORIUM, TOTAL	7 UG/L		UJ				2 UG/L		UJ				8 UG/L		U
RADIUM-228	3 PCI/L		U				3 PCI/L		U				3 PCI/L		UJ
THORIUM-228	1 PCI/L		UJ				1 PCI/L		UJ				1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		UJ				1 PCI/L		UJ				1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		R				1 PCI/L		R				1 PCI/L		U
PLUTONIUM-238	1 PCI/L		R				1 PCI/L		R				1 PCI/L		U
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R				150 PCI/L		R
CESIUM-137	20 PCI/L		R				30 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003677	003677	GW930916-24	EMGW_SYSGEN_697	004231
TASK:	3.2.4	3.2.4	DMEPP	GWMON	3.2.4
LAB:	IT	IT	FERMCO	NET	IT
WELL OR BORING NUMBER:	2093	2093	2093	2093	2093
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-NOV-88	03-NOV-88	16-SEP-93	17-OCT-90	20-APR-90
NORTH COORDINATE:	475317.29	475317.29	475317.29	475317.29	475317.29
EAST COORDINATE:	1381403.28	1381403.28	1381403.28	1381403.28	1381403.28
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										246 MG/L		NV			
AMMONIA				.1 MG/L		U				.33 MG/L		NV			
CHLORIDE				101 MG/L		-				74 MG/L		NV			
FLUORIDE				.12 MG/L		J				.13 MG/L		NV			
NITRATE				7.06 MG/L		J				3.59 MG/L		NV			
NITRATE/NITRITE										3.59 MG/L		NV			
PH				.01 MG/L		UJ				7.25 SU		NV			
PHENOLS				.01 MG/L		UJ				.005 MG/L		UNV			
PHOSPHORUS				.02 MG/L		U				.27 MG/L		NV			
SPECIFIC CONDUCTIVITY										845 UMHOS/CM		NV			
SULFATE				133 MG/L		-				79 MG/L		NV			
TOTAL DISSOLVED SOLIDS										498 MG/L		NV			
TOTAL KJELDAHL NITROGEN				.1 MG/L		U									
TOTAL ORGANIC CARBON										2 MG/L		NV			
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN				.1 MG/L		U									
INORGANICS															
ALUMINUM													.06 MG/L		U
ARSENIC	.002 MG/L		U										.002 MG/L		U
BARIUM	.06 MG/L		-										.054 MG/L		-
CADMIUM	.002 MG/L		U										.002 MG/L		U
CALCIUM	97.1 MG/L		-										89.3 MG/L		-
CHROMIUM	.02 MG/L		U										.01 MG/L		U
COPPER	.01 MG/L		U										.01 MG/L		U

SAMPLE NUMBER:	003677	003677	GW930916-24	EMGW_SYSGEN_697	004231
LAB:	IT	IT	FERMCO	NET	IT
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE										.005 MG/L		UNV			
IRON	.2 MG/L		U										.04 MG/L		-
LEAD	.003 MG/L		J										.002 MG/L		U
MAGNESIUM	27.6 MG/L		-										25.5 MG/L		-
MANGANESE	.02 MG/L		-										.019 MG/L		-
MERCURY	.0002 MG/L		UJ										.0002 MG/L		U
MOLYBDENUM	.02 MG/L		U										.01 MG/L		U
NICKEL	.05 MG/L		-										.033 MG/L		-
POTASSIUM	3.73 MG/L		-										4.15 MG/L		-
SELENIUM	.002 MG/L		U										.003 MG/L		UJ
SILICON													2.3 MG/L		-
SILVER	.01 MG/L		U										.01 MG/L		U
SODIUM	51.7 MG/L		-										41.1 MG/L		-
VANADIUM													.01 MG/L		U
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				1 PCI/L		UJ									
URANIUM, TOTAL				1 UG/L		U	.8 UG/L		NV						
URANIUM-234				1 PCI/L		UJ									
THORIUM-230				1 PCI/L		UJ									
RADIUM-226				1 PCI/L		U									
URANIUM-235/236				1 PCI/L		UJ									
THORIUM-232				1 PCI/L		UJ									
THORIUM, TOTAL				2 UG/L		UJ									
RADIUM-228				3 PCI/L		UJ									
THORIUM-228				1 PCI/L		UJ									
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		UJ									
PLUTONIUM-238				1 PCI/L		UJ									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			

SAMPLE NUMBER:	003677	003677	GW930916-24	EMGW_SYSGEN_697	004231
LAB:	IT	IT	FERMCO	NET	IT
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

229100

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004231	GW930513-9	GW930513-9	GW930513-9	GW930513-9
TASK:	3.2.4	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	2093	2093	2093	2093	2093
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-APR-90	22-MAY-93	22-MAY-93	22-MAY-93	22-MAY-93
NORTH COORDINATE:	475317.29	475317.29	475317.29	475317.29	475317.29
EAST COORDINATE:	1381403.28	1381403.28	1381403.28	1381403.28	1381403.28
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U												
CHLORIDE	33.4 MG/L		-												
FLUORIDE	.2 MG/L		-												
NITRATE	3 MG/L		J												
PHENOLS	.026 MG/L		-												
PHOSPHORUS	.18 MG/L		J												
SULFATE	63 MG/L		-												
SULFIDE	.5 MG/L		U												
TOTAL ORGANIC CARBON	3 MG/L		UJ												
TOTAL ORGANIC HALIDES	.05 MG/L		UJ												
TOTAL ORGANIC NITROGEN	.22 MG/L		-												
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U	.2 PCI/L	1	UJ	.1 PCI/L	.2	R						
URANIUM, TOTAL	1.79 UG/L	.82	J	.7 UG/L	.1	-	.8 UG/L	.1	-	.5 UG/L		NV	.3 UG/L		NV
URANIUM-234	1 PCI/L		U	.2 PCI/L	.6	UJ	.3 PCI/L	.2	R						
THORIUM-230	1 PCI/L		U	.2 PCI/L	.2	UJ	.3 PCI/L	.2	UJ						
RADIUM-226	1 PCI/L		UNV	1 PCI/L	.4	UJ	1 PCI/L	.2	UJ						
URANIUM-235/236	1 PCI/L		U	.2 PCI/L	.1	UJ	.1 PCI/L	.3	R						
THORIUM-232	1 PCI/L		U	.2 PCI/L	.1	UJ	.2 PCI/L	.2	UJ						
THORIUM, TOTAL	1.7 UG/L		U												
RADIUM-228	3 PCI/L		UJ	3 PCI/L	.8	UJ	4.4 PCI/L	1.5	-						
THORIUM-228	1 PCI/L		U	.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ						
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		U												
PLUTONIUM-238	1 PCI/L		U												

SAMPLE NUMBER:	004231			GW930513-9			GW930513-9			GW930513-9			GW930513-9		
LAB:	IT			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		UJ	19.2 PCI/L	8	-	19.2 PCI/L	8	-						
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA				2.1 PCI/L	1.2	UNV	3.1 PCI/L	1.5	UNV						
GROSS BETA				6.9 PCI/L	2.1	NV	8.3 PCI/L	1.4	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930513-9	GW930513-9	GW930923-33	004075	004075
TASK:	50.03.23	50.03.23	DMEPP	3.2.4	3.2.4
LAB:	NET	NET	FERMCO	IT	IT
WELL OR BORING NUMBER:	2093	2093	2093	2093	2093
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-MAY-93	22-MAY-93	22-SEP-93	26-APR-89	26-APR-89
NORTH COORDINATE:	475317.29	475317.29	475317.29	475317.29	475317.29
EAST COORDINATE:	1381403.28	1381403.28	1381403.28	1381403.28	1381403.28
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				260 MG/L		J									
AMMONIA				.02 MG/L		U							.066 MG/L		-
BICARBONATE ALKALINITY				348 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				64 MG/L		-							50.98 MG/L		-
FLUORIDE				.16 MG/L		-							.14 MG/L		-
NITRATE													3.84 MG/L		R
NITRITE, AS NITROGEN				3 MG/L		-									
PH				7.43 SU		-							.0374 MG/L		-
PHENOLS				.01 MG/L		U							.0374 MG/L		-
PHOSPHORUS				.1 MG/L		UJ							.318 MG/L		-
SPECIFIC CONDUCTIVITY				742 UMHOS/CM		-									
SULFATE				73 MG/L		J							62.32 MG/L		-
TOTAL DISSOLVED SOLIDS	465 MG/L		-												
TOTAL KJELDAHL NITROGEN				.1 MG/L		U							.768 MG/L		-
TOTAL ORGANIC CARBON				1 MG/L		UJ									
TOTAL ORGANIC HALIDES													.01 MG/L		R
TOTAL ORGANIC HALOGENS				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.1 MG/L		U							.702 MG/L		-
TOTAL SOLIDS				439 MG/L		-									
INORGANICS															
ALUMINUM	0 MG/L		U	.02 MG/L		U									
ANTIMONY	.045 MG/L		U	.045 MG/L		UJ									
ARSENIC	.002 MG/L		U	.002 MG/L		U				.002 MG/L		U			
BARIUM	.0541 MG/L		-	.0535 MG/L		-				.059 MG/L		-			

SAMPLE NUMBER:	GW930513-9			GW930513-9			GW930923-33			004075			004075		
LAB:	NET			NET			FERMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									
CADMIUM	.003 MG/L		UJ	.003 MG/L		U				.0035 MG/L		-			
CALCIUM	86.4 MG/L		-	83.5 MG/L		-				90.9 MG/L		-			
CHROMIUM	.005 MG/L		U	.0063 MG/L		-				.0087 MG/L		U			
COBALT	.008 MG/L		U	.008 MG/L		U									
COPPER	.0035 MG/L		U	.003 MG/L		U				.0046 MG/L		-			
CYANIDE	.01 MG/L		UJ	.01 MG/L		UJ									
IRON	.0199 MG/L		-	.107 MG/L		-				.0365 MG/L		U			
LEAD	.0024 MG/L		-	.001 MG/L		U				.004 MG/L		J			
MAGNESIUM	25.1 MG/L		-	25.1 MG/L		-				25.6 MG/L		-			
MANGANESE	.0046 MG/L		U	.0081 MG/L		-				.0114 MG/L		-			
MERCURY	.0002 MG/L		U	.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM										.003 MG/L		U			
NICKEL	.0205 MG/L		-	.02 MG/L		U				.013 MG/L		-			
POTASSIUM	3.8 MG/L		-	3.87 MG/L		-				40.6 MG/L		-			
SELENIUM	.0012 MG/L		-	.001 MG/L		UJ				.002 MG/L		U			
SILVER	.007 MG/L		U	.007 MG/L		U				.0005 MG/L		U			
SODIUM	36.1 MG/L		-	37.2 MG/L		-				41.8 MG/L		-			
THALLIUM	.002 MG/L		U	.002 MG/L		U									
VANADIUM	.003 MG/L		U	.003 MG/L		U									
ZINC	.0103 MG/L		U	.005 MG/L		U									
RADIONUCLIDES															
URANIUM-238													1 PCI/L		U
URANIUM, TOTAL							.3 UG/L		NV				.5 UG/L	.1	-
URANIUM-234													1 PCI/L		U
THORIUM-230													1 PCI/L		U
RADIUM-226													1 PCI/L		U
URANIUM-235/236													1 PCI/L		U
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													5 UG/L		U
RADIUM-228													3 PCI/L		R
THORIUM-228													1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		UJ
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		UJ
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R

001277

VOLATILES

1,1,1-TRICHLOROETHANE 10 UG/L U
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930513-9			GW930513-9			GW930923-33			004075			004075		
LAB:	NET			NET			FERMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		UR									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		UJ									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_696	EMGW_SYSGEN_696	003872	003872	003432
TASK:	GWMON	GWMON	3.2.4	3.2.4	3.2.4
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	2093	2093	2094	2094	2094
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-APR-90	30-APR-90	01-FEB-89	01-FEB-89	02-AUG-88
NORTH COORDINATE:	475317.29	475317.29	470832.49	470832.49	470832.49
EAST COORDINATE:	1381403.28	1381403.28	1380701.68	1380701.68	1380701.68
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		UJ			
CHLORIDE				64 MG/L		NV				185 MG/L		J			
FLUORIDE										.17 MG/L		J			
NITRATE				3.17 MG/L		NV				.1 MG/L		R			
NITRATE, AS NITROGEN				3.17 MG/L		NV									
PHENOLS										.01 MG/L		J			
PHOSPHORUS										1.92 MG/L		J			
SULFATE				75 MG/L		NV				33 MG/L		J			
TOTAL KJELDAHL NITROGEN										1.94 MG/L		J			
TOTAL ORGANIC CARBON				1 MG/L		NV									
TOTAL ORGANIC HALIDES										.02 MG/L		-			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										1.94 MG/L		J			
INORGANICS															
ALUMINUM													.033 MG/L		UNV
ANTIMONY													.024 MG/L		UNV
ARSENIC							.21 MG/L		J				.151 MG/L		NV
BARIUM							1.25 MG/L		J				1.06 MG/L		NV
BERYLLIUM													.00094 MG/L		NV
CADMIUM							.011 MG/L		J				.005 MG/L		UNV
CALCIUM							74 MG/L		J				87 MG/L		NV
CHROMIUM							.03 MG/L		J				.005 MG/L		UNV
COBALT													.005 MG/L		UNV
COPPER							.026 MG/L		J				.004 MG/L		UNV
IRON							21.2 MG/L		J				15.3 MG/L		NV

SAMPLE NUMBER:	EMGW_SYSGEN_696			EMGW_SYSGEN_696			003872			003872			003432		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD							.002 MG/L		UJ				.003 MG/L		UNV
MAGNESIUM							49.4 MG/L		J				55.8 MG/L		NV
MANGANESE							.256 MG/L		J				.162 MG/L		NV
MERCURY							.0085 MG/L		J				.0007 MG/L		NV
MOLYBDENUM							.02 MG/L		UJ				.05 MG/L		UNV
NICKEL							.052 MG/L		J				.008 MG/L		UNV
POTASSIUM							1800 MG/L		J				221 MG/L		NV
SELENIUM							.002 MG/L		UJ				.003 MG/L		UNV
SILVER							.0005 MG/L		UJ				.003 MG/L		UNV
SODIUM							109 MG/L		J				67.1 MG/L		NV
THALLIUM													.002 MG/L		UNV
VANADIUM													.009 MG/L		NV
ZINC													.0168 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	1.25 PCI/L		NV							1 PCI/L		U			
URANIUM, TOTAL	1.56 UG/L		NV							4.5 UG/L	.6	J			
URANIUM-234	1.19 PCI/L		NV							1 PCI/L		U			
THORIUM-230	.55 PCI/L		UNV							1 PCI/L		U			
RADIUM-226	1.01 PCI/L		NV							1 PCI/L	.2	U			
URANIUM-235/236	.812 PCI/L		NV							1 PCI/L		U			
THORIUM-232	.55 PCI/L		UNV							1 PCI/L		U			
THORIUM, TOTAL	4.9 UG/L		UNV							4 UG/L		U			
RADIUM-228	3 PCI/L		UNV							3.1 PCI/L		UJ			
THORIUM-228	.55 PCI/L		UNV							1 PCI/L		U			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		UJ			
PLUTONIUM-238										1 PCI/L		UJ			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										31 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA	11.2 PCI/L		NV												
GROSS BETA	18.5 PCI/L		NV												
SEMIVOLATILES															

SAMPLE NUMBER:	EMGW_SYSGEN_696			EMGW_SYSGEN_696			003872			003872			003432		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,4-DICHLOROBENZENE				1 UG/L		UNV									
2-CHLOROETHYLVINYL ETHER				60 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
TRICHLOROFLUOROMETHANE				1 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003432	068283	068283	068284	068285
TASK:	3.2.4	3.11	3.11	3.11	3.11
LAB:	IT	IT	IT	WEMCO	IT
WELL OR BORING NUMBER:	2094	2094	2094	2094	2094
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-AUG-88	03-OCT-91	03-OCT-91	03-OCT-91	03-OCT-91
NORTH COORDINATE:	470832.49	470832.49	470832.49	470832.49	470832.49
EAST COORDINATE:	1380701.68	1380701.68	1380701.68	1380701.68	1380701.68
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:		068285	068285		068283
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.3 MG/L		R				3.4 MG/L		-						
CHLORIDE	100 MG/L		-				7.8 MG/L		-						
FLUORIDE	1.8 MG/L		-				.1 MG/L		-						
NITRATE	.1 MG/L		R				.09 MG/L		-						
PHENOLS	.05 MG/L		UJ				.01 MG/L		U						
PHOSPHATE	4.67 MG/L		R												
PHOSPHORUS	4.67 MG/L		-				2.4 MG/L		-						
SULFATE	1 MG/L		-				5 MG/L		U						
SULFIDE							42 MG/L		-						
TOTAL KJELDAHL NITROGEN	.98 MG/L		R												
TOTAL ORGANIC CARBON							120 MG/L		-						
TOTAL ORGANIC HALIDES	.05 MG/L		U				.0109 MG/L		-						
TOTAL ORGANIC NITROGEN							2.2 MG/L		-						
INORGANICS															
ALUMINUM				.04 MG/L		U							.04 MG/L		U
ANTIMONY				.03 MG/L		U							.03 MG/L		U
ARSENIC				.198 MG/L		-							.203 MG/L		-
BARIUM				.83 MG/L		-							.813 MG/L		-
BERYLLIUM				.001 MG/L		U							.001 MG/L		U
CADMIUM				.005 MG/L		U							.005 MG/L		U
CALCIUM				80.5 MG/L		-							79.1 MG/L		-
CHROMIUM				.01 MG/L		U							.01 MG/L		U
COBALT				.02 MG/L		U							.02 MG/L		U
COPPER				.01 MG/L		U							.01 MG/L		U
CYANIDE	.02 MG/L		UJ												

SAMPLE NUMBER:	003432			068283			068283			068284			068285		
LAB:	IT			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				10.9 MG/L		-							10.7 MG/L		-
LEAD				.004 MG/L		U							.004 MG/L		U
MAGNESIUM				41.8 MG/L		-							41 MG/L		-
MANGANESE				.158 MG/L		-							.155 MG/L		-
MERCURY				.0002 MG/L		U							.0002 MG/L		U
MOLYBDENUM				.01 MG/L		U							.01 MG/L		U
NICKEL				.02 MG/L		U							.02 MG/L		U
POTASSIUM				196 MG/L		-							194 MG/L		-
SELENIUM				.01 MG/L		UJ							.01 MG/L		UJ
SILICON				16.2 MG/L		-							16.2 MG/L		-
SILVER				.005 MG/L		U							.005 MG/L		U
SODIUM				128 MG/L		-							125 MG/L		-
THALLIUM				.002 MG/L		U							.002 MG/L		U
VANADIUM				.01 MG/L		U							.01 MG/L		U
ZINC				.0159 MG/L		U							.0119 MG/L		U
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL	5000 UG/L		R												
DEMETON	500 UG/L		R												
DIAZINON	500 UG/L		R												
DISULFOTON	500 UG/L		R												
ETHION	500 UG/L		R												
MALATHION	500 UG/L		R												
METHYL PARATHION	500 UG/L		R												
PARATHION	500 UG/L		R												
PESTICIDES															
4,4'-DDD	.1 UG/L		UNV												
4,4'-DDE	.1 UG/L		UNV												
4,4'-DDT	.1 UG/L		UNV												
ALDRIN	.05 UG/L		UNV												
ALPHA-BHC	.05 UG/L		UNV												
ALPHA-CHLORDANE	.5 UG/L		UNV												
AROCLOR-1016	.5 UG/L		UNV												
AROCLOR-1221	.5 UG/L		UNV												
AROCLOR-1232	.5 UG/L		UNV												
AROCLOR-1242	.5 UG/L		UNV												
AROCLOR-1248	.5 UG/L		UNV												
AROCLOR-1254	1 UG/L		UNV												
AROCLOR-1260	1 UG/L		UNV												

SAMPLE NUMBER:	003432			068283			068283			068284			068285		
LAB:	IT			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
BETA-BHC	.05 UG/L		UNV												
DELTA-BHC	.05 UG/L		UNV												
DIELDRIN	.1 UG/L		UNV												
ENDOSULFAN II	.1 UG/L		UNV												
ENDOSULFAN SULFATE	.1 UG/L		UNV												
ENDOSULFAN-I	.05 UG/L		UNV												
ENDRIN	.1 UG/L		UNV												
ENDRIN KETONE	.1 UG/L		UNV												
GAMMA-BHC (LINDANE)	.05 UG/L		UNV												
GAMMA-CHLORDANE	.5 UG/L		UNV												
HEPTACHLOR	.05 UG/L		UNV												
HEPTACHLOR EPOXIDE	.05 UG/L		UNV												
METHOXYCHLOR	.5 UG/L		UNV												
TOXAPHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238	1 PCI/L		UJ	1 PCI/L		NV							1 PCI/L		NV
URANIUM, TOTAL	2 UG/L	1	-	1 UG/L		NV				.1 UG/L		UNV	1 UG/L		NV
URANIUM-234	1 PCI/L		UJ	1 PCI/L		NV							1 PCI/L		NV
THORIUM-230	1 PCI/L		UJ												
RADIUM-226	6.3 PCI/L	1.1	-	3.66 PCI/L	.43	NV							4.28 PCI/L	.75	NV
URANIUM-235/236	1 PCI/L		UJ	1 PCI/L		NV							1 PCI/L		NV
THORIUM-232	1 PCI/L		UJ												
THORIUM, TOTAL	6 UG/L		UJ												
RADIUM-228	3.6 PCI/L	1.2	-	3 PCI/L		UNV							3 PCI/L		UNV
THORIUM-228	1 PCI/L		UJ												
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		R										1 PCI/L		NV
PLUTONIUM-238	1 PCI/L		R										1 PCI/L		NV
STRONTIUM-90	5 PCI/L		U	5 PCI/L		NV							5 PCI/L		NV
TECHNETIUM-99	30 PCI/L		U	30 PCI/L		NV							30 PCI/L		NV
RUTHENIUM-106	150 PCI/L		R	150 PCI/L		UNV							150 PCI/L		UNV
CESIUM-137	20 PCI/L		R	20 PCI/L		NV							20 PCI/L		NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		UNV												
1,2-DICHLOROBENZENE	10 UG/L		UNV												
1,3-DICHLOROBENZENE	10 UG/L		UNV												
1,4-DICHLOROBENZENE	10 UG/L		UNV												
2,4,5-TRICHLOROPHENOL	50 UG/L		UNV												

SAMPLE NUMBER:	003432			068283			068283			068284			068285		
LAB:	IT			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4,6-TRICHLOROPHENOL	10 UG/L		UNV												
2,4-DICHLOROPHENOL	10 UG/L		UNV												
2,4-DIMETHYLPHENOL	10 UG/L		UNV												
2,4-DINITROPHENOL	50 UG/L		UNV												
2,4-DINITROTOLUENE	10 UG/L		UNV												
2,6-DINITROTOLUENE	10 UG/L		UNV												
2-CHLORONAPHTHALENE	10 UG/L		UNV												
2-CHLOROPHENOL	10 UG/L		UNV												
2-METHYLNAPHTHALENE	10 UG/L		UNV												
2-METHYLPHENOL	10 UG/L		UNV												
2-NITROANILINE	50 UG/L		UNV												
2-NITROPHENOL	10 UG/L		UNV												
3,3'-DICHLOROBENZIDINE	20 UG/L		UNV												
3-NITROANILINE	50 UG/L		UNV												
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		UNV												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		UNV												
4-CHLORO-3-METHYLPHENOL	10 UG/L		UNV												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		UNV												
4-METHYLPHENOL	10 UG/L		UNV												
4-NITROANILINE	50 UG/L		UNV												
4-NITROPHENOL	50 UG/L		UNV												
ACENAPHTHENE	10 UG/L		UNV												
ACENAPHTHYLENE	10 UG/L		UNV												
ANTHRACENE	10 UG/L		UNV												
BENZO(A)ANTHRACENE	10 UG/L		UNV												
BENZO(A)PYRENE	10 UG/L		UNV												
BENZO(B)FLUORANTHENE	10 UG/L		UNV												
BENZO(G,H,I)PERYLENE	10 UG/L		UNV												
BENZO(K)FLUORANTHENE	10 UG/L		UNV												
BENZOIC ACID	50 UG/L		UNV												
BENZYL ALCOHOL	10 UG/L		UNV												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		UNV												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		UNV												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UNV												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		UNV												
BUTYL BENZYL PHTHALATE	10 UG/L		UNV												
CHRYSENE	10 UG/L		UNV												
DI-N-BUTYL PHTHALATE	10 UG/L		UNV												
DI-N-OCTYL PHTHALATE	10 UG/L		UNV												
DIBENZO(A,H)ANTHRACENE	10 UG/L		UNV												
DIBENZOFURAN	10 UG/L		UNV												

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SAMPLE NUMBER:	003432			068283			068283			068284			068285		
LAB:	IT			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIETHYL PHTHALATE	10 UG/L		UNV												
DIMETHYL PHTHALATE	10 UG/L		UNV												
FLUORANTHENE	10 UG/L		UNV												
FLUORENE	10 UG/L		UNV												
HEXACHLOROBENZENE	10 UG/L		UNV												
HEXACHLOROBUTADIENE	10 UG/L		UNV												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UNV												
HEXACHLOROETHANE	10 UG/L		UNV												
INDENO(1,2,3-CD)PYRENE	10 UG/L		UNV												
ISOPHORONE	10 UG/L		UNV												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		UNV												
N-NITROSODIPHENYLAMINE	10 UG/L		UNV												
NAPHTHALENE	10 UG/L		UNV												
NITROBENZENE	10 UG/L		UNV												
P-CHLOROANILINE	10 UG/L		UNV												
PENTACHLOROPHENOL	50 UG/L		UNV												
PHENANTHRENE	10 UG/L		UNV												
PHENOL	10 UG/L		UNV				.01 MG/L		U						
PYRENE	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	5 UG/L		UNV												
1,1,2-TRICHLOROETHANE	5 UG/L		UNV												
1,1-DICHLOROETHANE	5 UG/L		UNV												
1,1-DICHLOROETHENE	5 UG/L		UNV												
1,2-DICHLOROETHANE	5 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		UNV												
1,2-DICHLOROPROPANE	5 UG/L		UNV												
2-BUTANONE	10 UG/L		UNV												
2-HEXANONE	10 UG/L		UNV												
4-METHYL-2-PENTANONE	10 UG/L		UNV												
ACETONE	11 UG/L		NV												
BENZENE	5 UG/L		UNV												
BROMODICHLOROMETHANE	5 UG/L		UNV												
BROMOFORM	5 UG/L		UNV												
BROMOMETHANE	10 UG/L		UNV												
CARBON DISULFIDE	5 UG/L		UNV												
CARBON TETRACHLORIDE	5 UG/L		UNV												
CHLOROBENZENE	5 UG/L		UNV												
CHLOROETHANE	10 UG/L		UNV												

SAMPLE NUMBER:	003432			068283			068283			068284			068285		
LAB:	IT			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROFORM	5 UG/L		UNV												
CHLOROMETHANE	10 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	5 UG/L		UNV												
DIBROMOCHLOROMETHANE	5 UG/L		UNV												
ETHYLBENZENE	5 UG/L		UNV												
METHYLENE CHLORIDE	8 UG/L		NV												
STYRENE	5 UG/L		UNV												
TETRACHLOROETHENE	5 UG/L		UNV												
TOLUENE	4 UG/L		NV												
TRANS-1,3-DICHLOROPROPENE	5 UG/L		UNV												
TRICHLOROETHENE	5 UG/L		UNV												
VINYL ACETATE	10 UG/L		UNV												
VINYL CHLORIDE	10 UG/L		UNV												
XYLENES, TOTAL	7 UG/L		NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068285	PRS2094-01-R1	EMGW_SYSGEN_699	004232	004232
TASK:	3.11	RCRACLOS	GWMON	3.2.4	3.2.4
LAB:	IT	ENSR	NET	IT	IT
WELL OR BORING NUMBER:	2094	2094	2094	2094	2094
DEPTH:	-	0-0	-	-	-
DATE COLLECTED:	03-OCT-91	08-MAY-90	09-OCT-90	11-APR-90	11-APR-90
NORTH COORDINATE:	470832.49	470750	470832.49	470832.49	470832.49
EAST COORDINATE:	1380701.68	1380615	1380701.68	1380701.68	1380701.68
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	068283				
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							454 MG/L		NV						
AMMONIA	5 MG/L		-	5.5 MG/L		NV	3.18 MG/L		NV				3.69 MG/L		-
CHEMICAL OXYGEN DEMAND				70 MG/L		NV									
CHLORIDE	14 MG/L		-	140 MG/L		NV	93 MG/L		NV				84.06 MG/L		-
FLUORIDE	.1 MG/L		-				.28 MG/L		NV				.12 MG/L		-
NITRATE	.09 MG/L		-				.02 MG/L		UNV				.1 MG/L		R
NITRATE/NITRITE							.02 MG/L		UNV						
PH	.01 MG/L		U	1 UG/L		UNV	7.23 SU		NV				.012 MG/L		-
PHENOLS	.01 MG/L		U				.005 MG/L		UNV				.012 MG/L		-
PHOSPHORUS	2.9 MG/L		-				3.3 MG/L		NV				2.68 MG/L		J
SPECIFIC CONDUCTIVITY							1270 UMHOS/CM		NV						
SULFATE	5 MG/L		U	66 MG/L		NV	49 MG/L		NV				72.3 MG/L		-
SULFIDE	60 MG/L		-										.5 MG/L		U
TOTAL DISSOLVED SOLIDS				840 MG/L		NV	880 MG/L		NV						
TOTAL ORGANIC CARBON	120 MG/L		-				87 MG/L		NV						
TOTAL ORGANIC HALIDES	.01 MG/L		U										.01 MG/L		UJ
TOTAL ORGANIC HALOGENS							.012 MG/L		NV						
TOTAL ORGANIC NITROGEN	.3 MG/L		-												
INORGANICS															
ALUMINUM				.023 MG/L		UNV				.074 MG/L		U			
ANTIMONY				.039 MG/L		UNV									
ARSENIC				.098 MG/L		NV				.184 MG/L		-			
BARIUM				.738 MG/L		NV				.834 MG/L		U			
BERYLLIUM				.001 MG/L		UNV									
CADMIUM				.005 MG/L		UNV				.007 MG/L		U			

SAMPLE NUMBER:	068285			PRS2094-01-R1			EMGW_SYSGEN_699			004232			004232		
LAB:	IT			ENSR			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				67.7 MG/L		NV				67.1 MG/L		-			
CHROMIUM				.007 MG/L		UNV				.023 MG/L		U			
COBALT				.007 MG/L		UNV									
COPPER				.005 MG/L		UNV				.01 MG/L		U			
CYANIDE				.01 MG/L		UNV	.005 MG/L		UNV						
IRON				10 MG/L		NV				10.3 MG/L		-			
LEAD				.002 MG/L		UNV				.005 MG/L		-			
MAGNESIUM				43.3 MG/L		NV				46.1 MG/L		-			
MANGANESE				.124 MG/L		NV				.129 MG/L		-			
MERCURY				.0002 MG/L		UNV				.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			
NICKEL				.034 MG/L		UNV				.025 MG/L		-			
POTASSIUM				155 MG/L		NV				157 MG/L		-			
SELENIUM				.01 MG/L		UNV				.002 MG/L		UJ			
SILICON										17.4 MG/L		-			
SILVER				.004 MG/L		UNV				.01 MG/L		U			
SODIUM				54 MG/L		NV				69.8 MG/L		-			
THALLIUM				.003 MG/L		UNV									
VANADIUM				.005 MG/L		UNV				.011 MG/L		U			
ZINC				.022 MG/L		NV									
MISC															
ACROLEIN				25 UG/L		UNV									
ACROLEIN				25 UG/L		UNV									
ACROLEIN				25 UG/L		UNV									
ACROLEIN				25 UG/L		UNV									
ACRYLONITRILE				25 UG/L		UNV									
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
PESTICIDES															
4,4'-DDD				.01 UG/L		UNV									
4,4'-DDE				.01 UG/L		UNV									
4,4'-DDT				.01 UG/L		UNV									
ALDRIN				.005 UG/L		UNV									
ALPHA-BHC				.005 UG/L		UNV									
ALPHA-CHLORDANE				.05 UG/L		UNV									
AROCLOR-1016				.05 UG/L		UNV									
AROCLOR-1221				.05 UG/L		UNV									
AROCLOR-1232				.05 UG/L		UNV									
AROCLOR-1242				.05 UG/L		UNV									

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SAMPLE NUMBER:	068285			PRS2094-01-R1			EMGW_SYSGEN_699			004232			004232		
LAB:	IT			ENSR			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
AROCLOR-1248				.05 UG/L		UNV									
AROCLOR-1254				.1 UG/L		UNV									
AROCLOR-1260				.1 UG/L		UNV									
BETA-BHC				.005 UG/L		UNV									
DELTA-BHC				.005 UG/L		UNV									
DIELDRIN				.01 UG/L		UNV									
ENDOSULFAN II				.01 UG/L		UNV									
ENDOSULFAN SULFATE				.01 UG/L		UNV									
ENDOSULFAN-I				.005 UG/L		UNV									
ENDRIN				.01 UG/L		UNV									
ENDRIN KETONE				.01 UG/L		UNV									
GAMMA-BHC (LINDANE)				.005 UG/L		UNV									
GAMMA-CHLORDANE				.05 UG/L		UNV									
HEPTACHLOR				.005 UG/L		UNV									
HEPTACHLOR EPOXIDE				.005 UG/L		UNV									
METHOXYCHLOR				.05 UG/L		UNV									
TOXAPHENE				.1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238													1.57 PCI/L	.44	-
URANIUM, TOTAL													4.69 UG/L	1.37	-
URANIUM-234													1.5 PCI/L	.43	-
THORIUM-230													1.48 PCI/L	.89	J
RADIUM-226													7.72 PCI/L	1.17	R
URANIUM-235/236													1 PCI/L		U
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													9.4 UG/L		U
RADIUM-228													3 PCI/L		R
THORIUM-228													2.26 PCI/L	1.08	-
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		UJ
TECHNETIUM-99													30 PCI/L		R
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				2 UG/L		UNV									
1,2-DICHLOROBENZENE				3 UG/L		UNV									

SAMPLE NUMBER:	068285			PRS2094-01-R1			EMGW_SYSGEN_699			004232			004232		
LAB:	IT			ENSR			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,3-DICHLOROBENZENE				2 UG/L		UNV									
1,4-DICHLOROBENZENE				2 UG/L		UNV									
2,4,5-TRICHLOROPHENOL				2 UG/L		UNV									
2,4,6-TRICHLOROPHENOL				2 UG/L		UNV									
2,4-DICHLOROPHENOL				2 UG/L		UNV									
2,4-DIMETHYLPHENOL				2 UG/L		UNV									
2,4-DINITROPHENOL				15 UG/L		UNV									
2,4-DINITROTOLUENE				1 UG/L		UNV									
2,6-DINITROTOLUENE				1 UG/L		UNV									
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
2-CHLORONAPHTHALENE				2 UG/L		UNV									
2-CHLOROPHENOL				2 UG/L		UNV									
2-METHYLNAPHTHALENE				2 UG/L		UNV									
2-METHYLPHENOL				1 UG/L		UNV									
2-NITROANILINE				1 UG/L		UNV									
2-NITROPHENOL				2 UG/L		UNV									
3-NITROANILINE				3 UG/L		UNV									
4,6-DINITRO-2-METHYLPHENOL				15 UG/L		UNV									
4-BROMOPHENYL PHENYL ETHER				2 UG/L		UNV									
4-CHLORO-3-METHYLPHENOL				2 UG/L		UNV									
4-CHLOROPHENYLPHENYL ETHER				1 UG/L		UNV									
4-METHYLPHENOL				1 UG/L		UNV									
4-NITROANILINE				3 UG/L		UNV									
4-NITROPHENOL				2 UG/L		UNV									
ACENAPHTHENE				2 UG/L		UNV									
ACENAPHTHYLENE				2 UG/L		UNV									
ANTHRACENE				3 UG/L		UNV									
BENZO(A)ANTHRACENE				2 UG/L		UNV									
BENZO(A)PYRENE				2 UG/L		UNV									
BENZO(B)FLUORANTHENE				2 UG/L		UNV									
BENZO(G,H,I)PERYLENE				4 UG/L		UNV									
BENZO(K)FLUORANTHENE				2 UG/L		UNV									
BENZOIC ACID				20 UG/L		UNV									
BENZYL ALCOHOL				2 UG/L		UNV									
BIS(2-CHLOROETHOXY)METHANE				3 UG/L		UNV									
BIS(2-CHLOROETHYL)ETHER				2 UG/L		UNV									
BIS(2-CHLOROISOPROPYL) ETHER				3 UG/L		UNV									
BIS(2-ETHYLHEXYL)PHTHALATE				1 UG/L		UNV									
BUTYL BENZYL PHTHALATE				4 UG/L		UNV									
CHRYSENE				2 UG/L		UNV									
DI-N-BUTYL PHTHALATE				2 UG/L		UNV									

SAMPLE NUMBER:	068285			PRS2094-01-R1			EMGW_SYSGEN_699			004232			004232		
LAB:	IT			ENSR			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DI-N-OCTYL PHTHALATE				2 UG/L		UNV									
DIBENZO(A,H)ANTHRACENE				3 UG/L		UNV									
DIBENZOFURAN				1 UG/L		UNV									
DIETHYL PHTHALATE				1 UG/L		UNV									
DIMETHYL PHTHALATE				2 UG/L		UNV									
FLUORANTHENE				2 UG/L		UNV									
FLUORENE				1 UG/L		UNV									
HEXACHLOROBENZENE				2 UG/L		UNV									
HEXACHLOROBUTADIENE				3 UG/L		UNV									
HEXACHLOROCYCLOPENTADIENE				2 UG/L		UNV									
HEXACHLOROETHANE				2 UG/L		UNV									
INDENO(1,2,3-CD)PYRENE				4 UG/L		UNV									
ISOPHORONE				3 UG/L		UNV									
N-NITROSO-DI-N-PROPYLAMINE				2 UG/L		UNV									
N-NITROSODIPHENYLAMINE				2 UG/L		UNV									
NAPHTHALENE				2 UG/L		UNV									
NITROBENZENE				3 UG/L		UNV									
P-CHLOROANILINE				2 UG/L		UNV									
PENTACHLOROPHENOL				2 UG/L		UNV									
PHENANTHRENE				1 UG/L		UNV									
PHENOL	.01 MG/L		U	2 UG/L		UNV	.005 MG/L		UNV				.012 MG/L		-
PYRENE				2 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				2 UG/L		UNV	1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE				2 UG/L		UNV	1 UG/L		UNV						
1,1,2-TRICHLOROETHANE				2 UG/L		UNV	1 UG/L		UNV						
1,1-DICHLOROETHANE				2 UG/L		UNV	1 UG/L		UNV						
1,1-DICHLOROETHENE				2 UG/L		UNV	1 UG/L		UNV						
1,2-DICHLOROETHANE				2 UG/L		UNV	1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)				2 UG/L		UNV	1 UG/L		UNV						
1,2-DICHLOROPROPANE				2 UG/L		UNV	1 UG/L		UNV						
2-BUTANONE				5 UG/L		UNV	2 UG/L		UNV						
2-HEXANONE				5 UG/L		UNV	2 UG/L		UNV						
4-METHYL-2-PENTANONE				2 UG/L		UNV	2 UG/L		UNV						
ACETONE				5 UG/L		UNV	2 UG/L		UNV						
BENZENE				7 UG/L		NV	1 UG/L		UNV						
BROMODICHLOROMETHANE				2 UG/L		UNV	1 UG/L		UNV						
BROMOFORM				2 UG/L		UNV	1 UG/L		UNV						
BROMOMETHANE				2 UG/L		UNV	1 UG/L		UNV						
CARBON DISULFIDE				3 UG/L		UNV	1 UG/L		UNV						

SAMPLE NUMBER:	068285			PRS2094-01-R1			EMGW_SYSGEN_699			004232			004232		
LAB:	IT			ENSR			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE				2 UG/L		UNV	1 UG/L		UNV						
CHLOROBENZENE				2 UG/L		UNV	1 UG/L		UNV						
CHLOROETHANE				2 UG/L		UNV	1 UG/L		UNV						
CHLOROFORM				2 UG/L		UNV	1 UG/L		UNV						
CHLOROMETHANE				2 UG/L		UNV	1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE				2 UG/L		UNV	1 UG/L		UNV						
DIBROMOCHLOROMETHANE				2 UG/L		UNV	1 UG/L		UNV						
ETHYLBENZENE				2 UG/L		UNV	1 UG/L		UNV						
METHYLENE CHLORIDE				1 UG/L		UNV	1 UG/L		UNV						
STYRENE				1 UG/L		UNV	1 UG/L		UNV						
TETRACHLOROETHENE				2 UG/L		UNV	1 UG/L		UNV						
TOLUENE				2 UG/L		UNV	1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV	1 UG/L		UNV						
TRICHLOROETHENE				2 UG/L		UNV	1 UG/L		UNV						
VINYL ACETATE				5 UG/L		UNV	2 UG/L		UNV						
VINYL CHLORIDE				2 UG/L		UNV	1 UG/L		UNV						
XYLENES, TOTAL				2 UG/L		NV	1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068449	068449	068419	068420	003675
TASK:	3.11	3.11	3.11	3.11	3.2.4
LAB:	IT	IT	IT	WEMCO	IT
WELL OR BORING NUMBER:	2094	2094	2094	2094	2094
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-DEC-91	11-DEC-91	14-NOV-91	14-NOV-91	15-NOV-88
NORTH COORDINATE:	470832.49	470832.49	470832.49	470832.49	470832.49
EAST COORDINATE:	1380701.68	1380701.68	1380701.68	1380701.68	1380701.68
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				3.47 MG/L		-									
CHLORIDE				79 MG/L		-									
FLUORIDE				.109 MG/L		-									
NITRATE				.029 MG/L		U									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				2.82 MG/L		-									
SULFATE				63.4 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				99.5 MG/L		-									
TOTAL ORGANIC HALIDES				.011 MG/L		J									
TOTAL ORGANIC NITROGEN				.1 MG/L		U									
INORGANICS															
ALUMINUM	.0743 MG/L		-										.05 MG/L		U
ANTIMONY													.0005 MG/L		UJ
ARSENIC	.217 MG/L		-										.275 MG/L		-
BARIUM	.654 MG/L		-										1.23 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM	.0047 MG/L		-										.002 MG/L		U
CALCIUM	80.1 MG/L		-										70.9 MG/L		J
CHROMIUM	.0198 MG/L		-										.02 MG/L		U
COBALT													.01 MG/L		U
COPPER	.01 MG/L		U										.01 MG/L		U
IRON	17.6 MG/L		J										18.7 MG/L		-
LEAD	.002 MG/L		UJ										.002 MG/L		UJ
MAGNESIUM	40 MG/L		-										44.3 MG/L		J

SAMPLE NUMBER:	068449			068449			068419			068420			003675		
LAB:	IT			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE	.266 MG/L		-										.166 MG/L		-
MERCURY	.0002 MG/L		U										.0002 MG/L		UJ
MOLYBDENUM	.0111 MG/L		-										.02 MG/L		U
NICKEL	.02 MG/L		U										.02 MG/L		U
POTASSIUM	101 MG/L		-										214 MG/L		R
SELENIUM	.002 MG/L		U										.002 MG/L		R
SILICON	20.3 MG/L		-												
SILVER	.0176 MG/L		-										.0005 MG/L		UJ
SODIUM	142 MG/L		-										80.5 MG/L		J
THALLIUM													.001 MG/L		UJ
VANADIUM	.0127 MG/L		-										.01 MG/L		U
ZINC													.017 MG/L		J
RADIONUCLIDES															
URANIUM-238	1.45 PCI/L	.89	NV				1 PCI/L		U						
URANIUM, TOTAL	1 UG/L		NV				1 UG/L		UJ	.2 UG/L		NV			
URANIUM-234	4.36 PCI/L	1.65	NV				1 PCI/L		U						
THORIUM-230	1 PCI/L		NV												
RADIUM-226	2.96 PCI/L	.56	NV				4.45 PCI/L	.83	J						
URANIUM-235/236	1.45 PCI/L	.97	NV				1 PCI/L		U						
THORIUM-232	1 PCI/L		NV												
THORIUM, TOTAL	4.5 UG/L		NV												
RADIUM-228	3 PCI/L		UNV				4.11 PCI/L	2.14	J						
THORIUM-228	1 PCI/L		NV												
PLUTONIUM-239/240	1.1 PCI/L		NV				1 PCI/L		U						
PLUTONIUM-238	1 PCI/L		NV				1 PCI/L		U						
STRONTIUM-90	5 PCI/L		NV				5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		NV				30 PCI/L		U						
RUTHENIUM-106	150 PCI/L		UNV				150 PCI/L		UJ						
CESIUM-137	20 PCI/L		NV				20 PCI/L		UJ						
GROSS ALPHA	15 PCI/L		UNV												
GROSS BETA	94.9 PCI/L	13.8	NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003675			003675			2094-02-R2			068535			068584		
TASK:	3.2.4			3.2.4			RCRACLOS			3.11			3.11		
LAB:	IT			IT			ENSR			IT/RSL			IT/RSL		
WELL OR BORING NUMBER:	2094			2094			2094			2094			2094		
DEPTH:	-			-			0-0			-			-		
DATE COLLECTED:	15-NOV-88			15-NOV-88			22-AUG-90			24-JAN-92			25-FEB-92		
NORTH COORDINATE:	470832.49			470832.49			470750			470832.49			470832.49		
EAST COORDINATE:	1380701.68			1380701.68			1380615			1380701.68			1380701.68		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			R-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.7 NG/L		-												
2,3,7,8-TETRACHLORODIBENZOFURAN	1.2 NG/L		-												
HEPTACHLORODIBENZO-P-DIOXINS	.58 NG/L		U												
HEPTACHLORODIBENZOFURANS	.64 NG/L		U												
HEXACHLORODIBENZO-P-DIOXINS	.55 NG/L		U												
HEXACHLORODIBENZOFURANS	.56 NG/L		U												
OCTACHLORODIBENZO-P-DIOXIN	1.2 NG/L		U												
OCTACHLORODIBENZOFURAN	.99 NG/L		U												
PENTACHLORODIBENZO-P-DIOXINS	.94 NG/L		U												
PENTACHLORODIBENZOFURANS	.62 NG/L		U												
TETRACHLORODIBENZO-P-DIOXINS	.3 NG/L		U												
TETRACHLORODIBENZOFURANS	.46 NG/L		U												
GENERAL CHEMISTRY															
AMMONIA	1.54 MG/L		J				3 MG/L		NV						
CHEMICAL OXYGEN DEMAND							92 MG/L		NV						
CHLORIDE	132 MG/L		J				120 MG/L		NV						
FLUORIDE	.1 MG/L		UJ												
NITRATE	.1 MG/L		R												
PHENOLS	.013 MG/L		J												
PHOSPHORUS	.372 MG/L		J				2.1 MG/L		NV						

SAMPLE NUMBER:	003675			003675			2094-02-R2			068535			068584		
LAB:	IT			IT			ENSR			IT/RSL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			R-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
SULFATE	150 MG/L		J				68 MG/L		NV						
TOTAL DISSOLVED SOLIDS							840 MG/L		NV						
TOTAL KJELDAHL NITROGEN	1.82 MG/L		J												
TOTAL ORGANIC HALIDES	1.5 MG/L		J												
TOTAL ORGANIC NITROGEN	.28 MG/L		J												
INORGANICS															
ALUMINUM							.083 MG/L		NV						
ANTIMONY							.035 MG/L		UNV						
ARSENIC							.178 MG/L		NV						
BARIUM							.772 MG/L		NV						
BERYLLIUM							.001 MG/L		UNV						
CADMIUM							.005 MG/L		UNV						
CALCIUM							70 MG/L		NV						
CHROMIUM							.006 MG/L		UNV						
COBALT							.004 MG/L		UNV						
COPPER							.009 MG/L		NV						
CYANIDE	.01 MG/L		UJ				.01 MG/L		UNV						
IRON							9.54 MG/L		NV						
LEAD							.002 MG/L		UNV						
MAGNESIUM							43.6 MG/L		NV						
MANGANESE							.126 MG/L		NV						
MERCURY							.0002 MG/L		UNV						
NICKEL							.039 MG/L		UNV						
POTASSIUM							173 MG/L		NV						
SELENIUM							.01 MG/L		UNV						
SILVER							.008 MG/L		UNV						
SODIUM							54.4 MG/L		NV						
THALLIUM							.002 MG/L		UNV						
VANADIUM							.004 MG/L		UNV						
ZINC							.037 MG/L		NV						
MISC															
ACROLEIN							25 UG/L		UNV						
ACROLEIN							25 UG/L		UNV						
ACROLEIN							25 UG/L		UNV						
ACROLEIN							25 UG/L		UNV						
ACRYLONITRILE							25 UG/L		UNV						
POTASSIUM-40									NV						

ORGANOPHOSPHORUS PESTICIDES

AZINPHOSMETHYL 1 UG/L U
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	003675	003675	2094-02-R2	068535	068584
LAB:	IT	IT	ENSR	IT/RSL	IT/RSL
SUFFIX/FILTERFLAG:	NONE-UNF	R-UNF	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
ORGANOPHOSPHORUS PESTICIDES															
DEMETON	.5 UG/L		U												
DIAZINON	.5 UG/L		U												
DISULFOTON	.5 UG/L		U												
ETHION	.5 UG/L		U												
MALATHION	.5 UG/L		U												
METHYL PARATHION	.5 UG/L		U												
PARATHION	.5 UG/L		U												
PESTICIDES															
4,4'-DDD	.1 UG/L		U				.01 UG/L		UNV						
4,4'-DDE	.1 UG/L		U				.01 UG/L		UNV						
4,4'-DDT	.1 UG/L		U				.01 UG/L		UNV						
ALDRIN	.05 UG/L		U				.005 UG/L		UNV						
ALPHA-BHC	.05 UG/L		U				.005 UG/L		UNV						
ALPHA-CHLORDANE	.5 UG/L		U				.05 UG/L		UNV						
AROCLOR-1016	.5 UG/L		U				.05 UG/L		UNV						
AROCLOR-1221	.5 UG/L		U				.05 UG/L		UNV						
AROCLOR-1232	.5 UG/L		U				.05 UG/L		UNV						
AROCLOR-1242	.5 UG/L		U				.05 UG/L		UNV						
AROCLOR-1248	.5 UG/L		U				.05 UG/L		UNV						
AROCLOR-1254	1 UG/L		U				.1 UG/L		UNV						
AROCLOR-1260	1 UG/L		U				.1 UG/L		UNV						
BETA-BHC	.05 UG/L		U				.005 UG/L		UNV						
DELTA-BHC	.05 UG/L		U				.005 UG/L		UNV						
DIELDRIN	.1 UG/L		U				.01 UG/L		UNV						
ENDOSULFAN II	.1 UG/L		U				.01 UG/L		UNV						
ENDOSULFAN SULFATE	.1 UG/L		U				.01 UG/L		UNV						
ENDOSULFAN-I	.05 UG/L		U				.005 UG/L		UNV						
ENDRIN	.1 UG/L		UJ				.01 UG/L		UNV						
ENDRIN KETONE	.1 UG/L		U				.01 UG/L		UNV						
GAMMA-BHC (LINDANE)	.05 UG/L		U				.005 UG/L		UNV						
GAMMA-CHLORDANE	.5 UG/L		U				.05 UG/L		UNV						
HEPTACHLOR	.05 UG/L		U				.005 UG/L		UNV						
HEPTACHLOR EPOXIDE	.05 UG/L		U				.005 UG/L		UNV						
METHOXYCHLOR	.5 UG/L		U				.05 UG/L		UNV						
TOXAPHENE	1 UG/L		U				.1 UG/L		UNV						

RADIONUCLIDES														
URANIUM-238	1 PCI/L		UJ							1 PCI/L		U	1 PCI/L		UJ
07/25/94														

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	003675			003675			2094-02-R2			068535			068584		
LAB:	IT			IT			ENSR			IT/RSL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			R-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	1 UG/L		U				.3 PCI/L		UNV	1 UG/L		UJ	1 UG/L		U
URANIUM-234	1 PCI/L		UJ							1 PCI/L		U	1 PCI/L		U
THORIUM-230	1 PCI/L		UJ							1.12 PCI/L	.69	-	1 PCI/L		UJ
RADIUM-226	1 PCI/L		U							3.86 PCI/L	.73	J	4.07 PCI/L	.76	-
URANIUM-235/236	1 PCI/L		UJ							1 PCI/L		U	1 PCI/L		U
THORIUM-232	1 PCI/L		UJ							1 PCI/L		U	1 PCI/L		UJ
THORIUM, TOTAL	6 UG/L		UJ							6 UG/L		U	9.3 UG/L		UJ
RADIUM-228	3.1 PCI/L	2.2	-							3 PCI/L		U	3 PCI/L		U
THORIUM-228	1 PCI/L		UJ							2.93 PCI/L	1.13	-	1.35 PCI/L	1.04	J
NEPTUNIUM-237	1 PCI/L		UJ							1 PCI/L		U	1 PCI/L		UJ
PLUTONIUM-239/240	1 PCI/L		UJ							1 PCI/L		U	1 PCI/L		U
PLUTONIUM-238	1 PCI/L		UJ							1 PCI/L		U	1 PCI/L		U
STRONTIUM-90	5 PCI/L		U							5 PCI/L		U	5 PCI/L		UJ
TECHNETIUM-99	32.4 PCI/L		UJ							30 PCI/L		U	30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R							150 PCI/L		UJ	150 PCI/L		R
CESIUM-137	20 PCI/L		R							20 PCI/L		UJ	20 PCI/L		R
GROSS ALPHA									NV				12.3 PCI/L	7.9	NV
GROSS BETA									NV				99.6 PCI/L	13.7	NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
1,2-DICHLOROBENZENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
1,3-DICHLOROBENZENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
1,4-DICHLOROBENZENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
2,4,5-TRICHLOROPHENOL	50 UG/L		R	50 UG/L		UJ	2 UG/L		UNV						
2,4,6-TRICHLOROPHENOL	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
2,4-DICHLOROPHENOL	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
2,4-DIMETHYLPHENOL	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
2,4-DINITROPHENOL	50 UG/L		R	50 UG/L		UJ	15 UG/L		UNV						
2,4-DINITROTOLUENE	10 UG/L		R	10 UG/L		UJ	1 UG/L		UNV						
2,6-DINITROTOLUENE	10 UG/L		R	10 UG/L		UJ	1 UG/L		UNV						
2-CHLORONAPHTHALENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
2-CHLOROPHENOL	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
2-METHYLNAPHTHALENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
2-METHYLPHENOL	10 UG/L		R	10 UG/L		UJ	1 UG/L		UNV						
2-NITROANILINE	50 UG/L		R	50 UG/L		UJ	1 UG/L		UNV						
2-NITROPHENOL	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						

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SAMPLE NUMBER:	003675			003675			2094-02-R2			068535			068584		
LAB:	IT			IT			ENSR			IT/RSL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			R-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
3,3'-DICHLOROBENZIDINE	20 UG/L		R	20 UG/L		UJ									
3-NITROANILINE	50 UG/L		R	50 UG/L		UJ	2 UG/L		UNV						
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		R	50 UG/L		UJ	15 UG/L		UNV						
4-BROMOPHENYL PHENYL ETHER	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
4-CHLORO-3-METHYLPHENOL	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		R	10 UG/L		UJ	1 UG/L		UNV						
4-METHYLPHENOL	10 UG/L		R	10 UG/L		UJ	1 UG/L		UNV						
4-NITROANILINE	50 UG/L		R	50 UG/L		UJ	3 UG/L		UNV						
4-NITROPHENOL	50 UG/L		R	50 UG/L		UJ	2 UG/L		UNV						
ACENAPHTHENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
ACENAPHTHYLENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
ANTHRACENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
BENZO(A)ANTHRACENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
BENZO(A)PYRENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
BENZO(B)FLUORANTHENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
BENZO(G,H,I)PERYLENE	10 UG/L		R	10 UG/L		UJ	4 UG/L		UNV						
BENZO(K)FLUORANTHENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
BENZOIC ACID	50 UG/L		R	50 UG/L		UJ	20 UG/L		UNV						
BENZYL ALCOHOL	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
BIS(2-CHLOROETHYL)ETHER	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		R	10 UG/L		UJ	1 UG/L		UNV						
BUTYL BENZYL PHTHALATE	10 UG/L		R	10 UG/L		UJ	4 UG/L		UNV						
CHRYSENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
DI-N-BUTYL PHTHALATE	10 UG/L		UJ	10 UG/L		UJ	2 UG/L		UNV						
DI-N-OCTYL PHTHALATE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
DIBENZO(A,H)ANTHRACENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
DIBENZOFURAN	10 UG/L		R	10 UG/L		UJ	1 UG/L		UNV						
DIETHYL PHTHALATE	10 UG/L		R	10 UG/L		UJ	1 UG/L		UNV						
DIMETHYL PHTHALATE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
FLUORANTHENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
FLUORENE	10 UG/L		R	10 UG/L		UJ	1 UG/L		UNV						
HEXACHLOROBENZENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
HEXACHLOROBUTADIENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
HEXACHLOROCYCLOPENTADIENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
HEXACHLOROETHANE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
INDENO(1,2,3-CD)PYRENE	10 UG/L		R	10 UG/L		UJ	4 UG/L		UNV						
ISOPHORONE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
N-NITROSODIPHENYLAMINE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						

SAMPLE NUMBER:	003675			003675			2094-02-R2			068535			068584		
LAB:	IT			IT			ENSR			IT/RSL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			R-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
NAPHTHALENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
NITROBENZENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
P-CHLOROANILINE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
PENTACHLOROPHENOL	50 UG/L		R	50 UG/L		UJ	2 UG/L		UNV						
PHENANTHRENE	10 UG/L		R	10 UG/L		UJ	1 UG/L		UNV						
PHENOL	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
PYRENE	10 UG/L		R	10 UG/L		UJ	2 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U				2 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U				2 UG/L		UNV						
1,1,2-TRICHLOROETHANE	5 UG/L		U				2 UG/L		UNV						
1,1-DICHLOROETHANE	5 UG/L		U				2 UG/L		UNV						
1,1-DICHLOROETHENE	5 UG/L		U				2 UG/L		UNV						
1,2-DICHLOROETHANE	5 UG/L		U				2 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U				2 UG/L		UNV						
1,2-DICHLOROPROPANE	5 UG/L		U				2 UG/L		UNV						
2-BUTANONE	10 UG/L		R				5 UG/L		UNV						
2-HEXANONE	10 UG/L		U				5 UG/L		UNV						
4-METHYL-2-PENTANONE	10 UG/L		U				2 UG/L		UNV						
ACETONE	10 UG/L		U				5 UG/L		UNV						
BENZENE	160 UG/L		J				2 UG/L		UNV						
BROMODICHLOROMETHANE	5 UG/L		U				2 UG/L		UNV						
BROMOFORM	5 UG/L		U				2 UG/L		UNV						
BROMOMETHANE	10 UG/L		U				2 UG/L		UNV						
CARBON DISULFIDE	5 UG/L		U				3 UG/L		UNV						
CARBON TETRACHLORIDE	5 UG/L		U				2 UG/L		UNV						
CHLOROBENZENE	5 UG/L		UJ				2 UG/L		UNV						
CHLOROETHANE	10 UG/L		U				2 UG/L		UNV						
CHLOROFORM	5 UG/L		U				2 UG/L		UNV						
CHLOROMETHANE	10 UG/L		UJ				2 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	5 UG/L		U				2 UG/L		UNV						
DIBROMOCHLOROMETHANE	5 UG/L		U				2 UG/L		UNV						
ETHYLBENZENE	1 UG/L		J				2 UG/L		UNV						
METHYLENE CHLORIDE	5 UG/L		U				.5 UG/L		NV						
STYRENE	5 UG/L		UJ				1 UG/L		UNV						
TETRACHLOROETHENE	5 UG/L		U				2 UG/L		UNV						
TOLUENE	5 UG/L		UJ				2 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U				1 UG/L		UNV						
TRICHLOROETHENE	5 UG/L		U				2 UG/L		UNV						
VINYL ACETATE	10 UG/L		U				5 UG/L		UNV						

SAMPLE NUMBER:	003675			003675			2094-02-R2			068535			068584		
LAB:	IT			IT			ENSR			IT/RSL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			R-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE	10 UG/L		U				2 UG/L		UNV						
XYLENES, TOTAL	190 UG/L		J				5 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068164	068166	120284	120284F	120285
TASK:	3.11	3.11	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	FERMCO	FERMCO	CORE
WELL OR BORING NUMBER:	2094	2094	2094	2094	2094
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-JUL-91	25-JUL-91	26-JUL-93	26-JUL-93	26-JUL-93
NORTH COORDINATE:	470832.49	470832.49	470832.49	470832.49	470832.49
EAST COORDINATE:	1380701.68	1380701.68	1380701.68	1380701.68	1380701.68
QA TYPE:	SPLIT	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:	068166	068164			
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U	1 PCI/L		U							.2 PCI/L	.5	UJ
URANIUM, TOTAL	1 UG/L		UJ	1 UG/L		UJ	.1 UG/L		UNV	.1 UG/L		UNV	4.9 UG/L	.3	-
URANIUM-234	1 PCI/L		U	1 PCI/L		U							.2 PCI/L	.5	UJ
THORIUM-230	1 PCI/L		U	1 PCI/L		U							.4 PCI/L	.2	-
RADIUM-226	4.37 PCI/L	.83	-	1 PCI/L		U							2.6 PCI/L	.6	J
URANIUM-235/236	1 PCI/L		U	1 PCI/L		U							.2 PCI/L	.5	UJ
THORIUM-232	1 PCI/L		U	1 PCI/L		U							.2 PCI/L	.1	U
THORIUM, TOTAL	1.7 UG/L		NV										.91203204 PCI/L	.1	NV
RADIUM-228	3.1 PCI/L		U	3 PCI/L		U							3 PCI/L	1.1	U
THORIUM-228	1.55 PCI/L	.37	J	1.41 PCI/L	.38	J							.2 PCI/L	.3	U
NEPTUNIUM-237	1 PCI/L		R	1 PCI/L		R									
PLUTONIUM-239/240	1 PCI/L		U	1 PCI/L		U									
PLUTONIUM-238	1 PCI/L		U	1 PCI/L		U									
STRONTIUM-90	5 PCI/L		U	5 PCI/L		U									
TECHNETIUM-99	30 PCI/L		U	30 PCI/L		U									
RUTHENIUM-106	150 PCI/L		R	150 PCI/L		UJ									
CESIUM-137	20 PCI/L		R	20 PCI/L		UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120285F	120287	120287F	004077	004077
TASK:	50.03.23	50.03.23	50.03.23	3.2.4	3.2.4
LAB:	CORE	DATACHEM	DATACHEM	IT	IT
WELL OR BORING NUMBER:	2094	2094	2094	2094	2094
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-JUL-93	26-JUL-93	26-JUL-93	27-APR-89	27-APR-89
NORTH COORDINATE:	470832.49	470832.49	470832.49	470832.49	470832.49
EAST COORDINATE:	1380701.68	1380701.68	1380701.68	1380701.68	1380701.68
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				270 MG/L		-									
AMMONIA				3.1 MG/L		-							.689 MG/L		-
CHLORIDE				54 MG/L		-							162 MG/L		-
FLUORIDE				.2 MG/L		-							.21 MG/L		-
NITRATE				.05 MG/L		UJ							.1 MG/L		R
NITRATE/NITRITE				.05 MG/L		UJ									
PHENOLS				.004 MG/L		-							.0055 MG/L		-
PHOSPHORUS				2.8 MG/L		-							3.334 MG/L		-
SULFATE				25 MG/L		-							51.32 MG/L		-
SULFIDE				1 MG/L		U									
TOTAL KJELDAHL NITROGEN				3.3 MG/L		J							1.353 MG/L		J
TOTAL ORGANIC CARBON				49 MG/L		J									
TOTAL ORGANIC HALIDES				.01 MG/L		U							17.7 MG/L		R
TOTAL ORGANIC NITROGEN				.2 MG/L		-							.655 MG/L		J
INORGANICS															
ALUMINUM				.038 MG/L		U	.0151 MG/L		U						
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.168 MG/L		-	.161 MG/L		-	.1978 MG/L		-			
BARIUM				.584 MG/L		-	.551 MG/L		-	.943 MG/L		-			
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						
CADMIUM				.003 MG/L		U	.003 MG/L		U	.0118 MG/L		-			
CALCIUM				53.9 MG/L		-	51.8 MG/L		-	67.7 MG/L		-			
CHROMIUM				.024 MG/L		U	.0073 MG/L		U	.0179 MG/L		-			
COBALT				.006 MG/L		U	.006 MG/L		U						
COPPER				.004 MG/L		U	.004 MG/L		U	.0086 MG/L		-			

SAMPLE NUMBER:	120285F			120287			120287F			004077			004077		
LAB:	CORE			DATACHEM			DATACHEM			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE				.01 MG/L		UJ	.01 MG/L		UJ						
IRON				10.6 MG/L		-	9.85 MG/L		-	16.1 MG/L		-			
LEAD				.0011 MG/L		-	.0011 MG/L		-	.002 MG/L		UJ			
MAGNESIUM				25.8 MG/L		-	24.9 MG/L		-	51.2 MG/L		-			
MANGANESE				.152 MG/L		-	.144 MG/L		-	.176 MG/L		-			
MERCURY				.0002 MG/L		U	.0002 MG/L		U	.0005 MG/L		-			
MOLYBDENUM										.0121 MG/L		U			
NICKEL				.019 MG/L		U	.019 MG/L		U	.0276 MG/L		-			
POTASSIUM				182 MG/L		-	178 MG/L		-	178 MG/L		-			
SELENIUM				.002 MG/L		U	.002 MG/L		UJ	.002 MG/L		U			
SILVER				.003 MG/L		U	.003 MG/L		U	.0005 MG/L		U			
SODIUM				101 MG/L		-	98.5 MG/L		-	11.3 MG/L		-			
THALLIUM				.0012 MG/L		UJ	.001 MG/L		U						
VANADIUM				.004 MG/L		U	.004 MG/L		U						
ZINC				.006 MG/L		U	.006 MG/L		U						
RADIONUCLIDES															
URANIUM-238	.1 PCI/L	.5	R										1 PCI/L		U
URANIUM, TOTAL	2.3 UG/L	.2	-										.1 UG/L		U
URANIUM-234	.1 PCI/L	.5	R										1 PCI/L		U
THORIUM-230	.2 PCI/L	.2	U										1 PCI/L		U
RADIUM-226	3.3 PCI/L	.7	J										4.6 PCI/L	.8	-
URANIUM-235/236	.1 PCI/L	.5	R										1 PCI/L		U
THORIUM-232	.2 PCI/L	.1	U										1 PCI/L		U
THORIUM, TOTAL													3 UG/L		U
RADIUM-228	3 PCI/L	1.3	U										3 PCI/L		UJ
THORIUM-228	.2 PCI/L	.3	U										1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		UJ
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106													150 PCI/L		U
CESIUM-137													20 PCI/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									

SAMPLE NUMBER:	120285F			120287			120287F			004077			004077		
LAB:	CORE			DATACHEM			DATACHEM			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		UJ									
2-HEXANONE				10 UG/L		UJ									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		UJ									
BENZENE				4 UG/L		J									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				9 UG/L		J									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				54 UG/L		-									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_698			EMGW_SYSGEN_698			068118			068118			068346		
TASK:	GWMON			GWMON			3.11			3.11			3.11		
LAB:	IT			NET			IT			IT			IT		
WELL OR BORING NUMBER:	2094			2094			2094			2094			2094		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	27-APR-90			27-APR-90			28-JUN-91			28-JUN-91			28-OCT-91		
NORTH COORDINATE:	470832.49			470832.49			470832.49			470832.49			470832.49		
EAST COORDINATE:	1380701.68			1380701.68			1380701.68			1380701.68			1380701.68		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		U			
CHLORIDE				159 MG/L		NV				96.6 MG/L		-			
FLUORIDE										.23 MG/L		-			
NITRATE				.02 MG/L		UNV				53.4 MG/L		R			
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PHENOLS										.01 MG/L		U			
PHOSPHORUS										3.04 MG/L		-			
SULFATE				68 MG/L		NV				34.5 MG/L		J			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON				47 MG/L		NV				41.6 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC HALOGENS				.014 MG/L		NV									
TOTAL ORGANIC NITROGEN										5.05 MG/L		-			
INORGANICS															
ALUMINUM							.052 MG/L		-						
ARSENIC							.136 MG/L		-						
BARIUM							.07 MG/L		R						
CADMIUM							.005 MG/L		-						
CALCIUM							57 MG/L		-						
CHROMIUM							.016 MG/L		-						
COPPER							.003 MG/L		-						
IRON							6.7 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							31.3 MG/L		-						
MANGANESE							.105 MG/L		-						

SAMPLE NUMBER:	EMGW_SYSGEN_698			EMGW_SYSGEN_698			068118			068118			068346		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.015 MG/L		-						
NICKEL							.012 MG/L		-						
POTASSIUM							189 MG/L		-						
SELENIUM							.002 MG/L		U						
SILICON							14 MG/L		-						
SILVER							.013 MG/L		-						
SODIUM							52.2 MG/L		-						
VANADIUM							.008 MG/L		-						
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	.26 PCI/L		UNV				1 PCI/L		NV				1 PCI/L		U
URANIUM, TOTAL	1 UG/L		UNV				1 UG/L		NV				1 UG/L		U
URANIUM-234	.26 PCI/L		UNV				1 PCI/L		NV				1 PCI/L		U
THORIUM-230	.49 PCI/L		UNV				1 PCI/L		NV				1 PCI/L		U
RADIUM-226	1 PCI/L		UNV				1 PCI/L		UNV				5.46 PCI/L	.99	-
URANIUM-235/236	.26 PCI/L		UNV				1 PCI/L		NV				1 PCI/L		U
THORIUM-232	.49 PCI/L		UNV				1 PCI/L		NV				1 PCI/L		U
THORIUM, TOTAL	4.4 UG/L		UNV				1 UG/L		NV				4 UG/L		U
RADIUM-228	3 PCI/L		UNV				3 PCI/L		UNV				3 PCI/L		R
THORIUM-228	.49 PCI/L		UNV				1 PCI/L		NV				1.2 PCI/L	.58	J
NEPTUNIUM-237							1 PCI/L		NV				1 PCI/L		UJ
PLUTONIUM-239/240							1 PCI/L		NV				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		NV				1 PCI/L		U
STRONTIUM-90							5 PCI/L		NV				5 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106							150 PCI/L		UNV				150 PCI/L		U
CESIUM-137							20 PCI/L		NV				20 PCI/L		U
GROSS ALPHA	15.6 PCI/L		NV												
GROSS BETA	130 PCI/L		NV												
SEMIVOLATILES															
1,3-DICHLOROBENZENE				1 UG/L		UNV									
1,4-DICHLOROBENZENE				1 UG/L		UNV									
2-CHLOROETHYLVINYL ETHER				60 UG/L		UNV									

VOLATILES

1,1,1-TRICHLOROETHANE 1 UG/L UNV
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	EMGW_SYSGEN_698			EMGW_SYSGEN_698			068118			068118			068346		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
TRICHLOROFLUOROMETHANE				1 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	067975	067975	067976	067977	067977
TASK:	3.11	3.11	3.11	3.11	3.11
LAB:	IT	IT	WEMCO	IT	IT
WELL OR BORING NUMBER:	2094	2094	2094	2094	2094
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-MAR-91	29-MAR-91	29-MAR-91	29-MAR-91	29-MAR-91
NORTH COORDINATE:	470832.49	470832.49	470832.49	470832.49	470832.49
EAST COORDINATE:	1380701.68	1380701.68	1380701.68	1380701.68	1380701.68
QA TYPE:	NORMAL	NORMAL	NORMAL	DUPLICATE	DUPLICATE
QC OF:	067977	067977		067975	067975
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				1.38 MG/L		-							1.18 MG/L		-
CHLORIDE				97.8 MG/L		-							98.6 MG/L		-
FLUORIDE				.19 MG/L		-							.2 MG/L		-
NITRATE				.1 MG/L		UJ							.1 MG/L		UJ
PHENOLS				.01 MG/L		U							.01 MG/L		U
PHOSPHORUS				2.24 MG/L		-							2.37 MG/L		-
SULFATE				26 MG/L		-							27.9 MG/L		-
SULFIDE				.5 MG/L		UJ							.5 MG/L		UJ
TOTAL ORGANIC CARBON				46.4 MG/L		-							45.2 MG/L		-
TOTAL ORGANIC HALIDES				.01 MG/L		UJ							.01 MG/L		UJ
TOTAL ORGANIC NITROGEN				.56 MG/L		-							.66 MG/L		-
INORGANICS															
ALUMINUM	.06 MG/L		U							.063 MG/L		-			
ARSENIC	.197 MG/L		-							.139 MG/L		-			
BARIUM	.691 MG/L		-							.682 MG/L		-			
CADMIUM	.0086 MG/L		-							.0089 MG/L		-			
CALCIUM	62.1 MG/L		-							63.4 MG/L		-			
CHROMIUM	.0199 MG/L		-							.021 MG/L		-			
COPPER	.01 MG/L		U							.01 MG/L		U			
IRON	7.67 MG/L		-							7.81 MG/L		-			
LEAD	.002 MG/L		U							.002 MG/L		U			
MAGNESIUM	35.5 MG/L		-							35.5 MG/L		-			
MANGANESE	.104 MG/L		-							.109 MG/L		-			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM	.012 MG/L		-							.013 MG/L		-			

SAMPLE NUMBER:	067975			067975			067976			067977			067977		
LAB:	IT			IT			WEMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.024 MG/L		-							.024 MG/L		-			
POTASSIUM	182 MG/L		-							185 MG/L		-			
SELENIUM	.002 MG/L		UJ							.002 MG/L		UJ			
SILICON	16.5 MG/L		-							16.4 MG/L		-			
SILVER	.018 MG/L		-							.019 MG/L		-			
SODIUM	57.1 MG/L		-							56.3 MG/L		-			
VANADIUM	.0128 MG/L		-							.013 MG/L		-			
RADIONUCLIDES															
URANIUM-238	1.11 PCI/L	.34	J							1 PCI/L		U			
URANIUM, TOTAL	1.64 UG/L	.17	-				.4 UG/L		NV	1 UG/L		U			
URANIUM-234	1 PCI/L		U							1 PCI/L		U			
THORIUM-230	1 PCI/L		U							1 PCI/L		U			
RADIUM-226	3.73 PCI/L	.7	-							4.28 PCI/L	.79	-			
URANIUM-235/236	1 PCI/L		U							1 PCI/L		U			
THORIUM-232	1 PCI/L		U							1 PCI/L		U			
THORIUM, TOTAL	2.2 UG/L		U							1.6 UG/L		U			
RADIUM-228	3 PCI/L		U							3 PCI/L		U			
THORIUM-228	1 PCI/L		U							1 PCI/L		U			
NEPTUNIUM-237	1 PCI/L		UJ							1 PCI/L		UJ			
PLUTONIUM-239/240	1 PCI/L		R							1 PCI/L		R			
PLUTONIUM-238	1 PCI/L		R							1 PCI/L		R			
STRONTIUM-90	5 PCI/L		U							13.8 PCI/L	2.4	-			
TECHNETIUM-99	30 PCI/L		U							30 PCI/L		U			
RUTHENIUM-106	150 PCI/L		UJ							150 PCI/L		UJ			
CESIUM-137	20 PCI/L		UJ							20 PCI/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068051	068052	068439	068439	004233
TASK:	3.11	3.11	3.11	3.11	3.2.4
LAB:	IT	WEMCO	IT	IT	IT
WELL OR BORING NUMBER:	2094	2094	2095	2095	2095
DEPTH:	-	-	-	-	-
DATE COLLECTED:	31-MAY-91	31-MAY-91	03-DEC-91	03-DEC-91	04-APR-90
NORTH COORDINATE:	470832.49	470832.49	475052.04	475052.04	475052.04
EAST COORDINATE:	1380701.68	1380701.68	1379568.71	1379568.71	1379568.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		U			
CHLORIDE										40.7 MG/L		-			
FLUORIDE										.238 MG/L		-			
NITRATE										7.91 MG/L		-			
PHENOLS										.19 MG/L		-			
PHOSPHORUS										.03 MG/L		-			
SULFATE										63.8 MG/L		J			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.128 MG/L		-			
INORGANICS															
ALUMINUM							.0892 MG/L		-				.06 MG/L		U
ANTIMONY													.03 MG/L		U
ARSENIC							.002 MG/L		UJ						
BARIUM							.045 MG/L		-				.0432 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM							.0039 MG/L		-				.0026 MG/L		-
CALCIUM							90.1 MG/L		-				92 MG/L		-
CHROMIUM							.0239 MG/L		-				.0134 MG/L		J
COBALT													.01 MG/L		U
COPPER							.0101 MG/L		-				.01 MG/L		U
CYANIDE													.01 MG/L		U
IRON							.0247 MG/L		-				.0326 MG/L		-
LEAD							.002 MG/L		U						

SAMPLE NUMBER:	068051			068052			068439			068439			004233		
LAB:	IT			WEMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MAGNESIUM							21.7 MG/L		-				22.8 MG/L		-
MANGANESE							.0044 MG/L		-				.0042 MG/L		J
MERCURY							.0002 MG/L		U				.0002 MG/L		UJ
MOLYBDENUM							.01 MG/L		U						
NICKEL							.02 MG/L		U				.02 MG/L		U
POTASSIUM							2.61 MG/L		-						
SELENIUM							.002 MG/L		U						
SILICON							3.39 MG/L		-						
SILVER							.023 MG/L		-				.0112 MG/L		-
SODIUM							19.6 MG/L		-				26.1 MG/L		-
THALLIUM													.002 MG/L		UJ
VANADIUM							.0124 MG/L		-				.01 MG/L		U
ZINC							.0097 MG/L		U				.0376 MG/L		UJ
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				39.6 PCI/L	5.1	-						
URANIUM, TOTAL	1 UG/L		UJ	.6 UG/L		NV	111 UG/L	15	-						
URANIUM-234	1 PCI/L		U				39.5 PCI/L	5.1	-						
THORIUM-230	1 PCI/L		U				1 PCI/L		U						
RADIUM-226	1 PCI/L		U				1 PCI/L		U						
URANIUM-235/236	1 PCI/L		U				2.08 PCI/L	.67	-						
THORIUM-232	1 PCI/L		U				1 PCI/L		U						
THORIUM, TOTAL	3.2 UG/L		U				1.5 UG/L		U						
RADIUM-228	3 PCI/L		UJ				8.2 PCI/L	1.59	J						
THORIUM-228	1 PCI/L		U				1 PCI/L		U						
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		R						
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		R						
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		UJ				30 PCI/L		U						
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R						
CESIUM-137	20 PCI/L		R				20 PCI/L		R						
GROSS ALPHA							50.2 PCI/L	11.2	NV						
GROSS BETA							44 PCI/L	3.9	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004233	004233	004233	004233	068555
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.11
LAB:	IT-KNOX	IT-KNOX	IT	IT	IT
WELL OR BORING NUMBER:	2095	2095	2095	2095	2095
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-APR-90	04-APR-90	04-APR-90	04-APR-90	05-FEB-92
NORTH COORDINATE:	475052.04	475052.04	475052.04	475052.04	475052.04
EAST COORDINATE:	1379568.71	1379568.71	1379568.71	1379568.71	1379568.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	R-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		UNV						
CHLORIDE							22 MG/L		NV						
FLUORIDE							.16 MG/L		NV						
NITRATE							6.42 MG/L		NV						
PHENOLS							.011 MG/L		R						
PHOSPHORUS							2.65 MG/L		NV						
SULFATE							35.5 MG/L		NV						
SULFIDE							.5 MG/L		UNV						
TOTAL ORGANIC CARBON							1 MG/L		UNV						
TOTAL ORGANIC HALIDES							.0805 MG/L		NV						
TOTAL ORGANIC NITROGEN							1.24 MG/L		NV						
INORGANICS															
ALUMINUM							.0912 MG/L		NV						
ARSENIC	.0027 MG/L		J												
BARIUM				.0435 MG/L		NV									
CADMIUM							.00264 MG/L		NV						
CALCIUM				96.8 MG/L		NV									
CHROMIUM				.025 MG/L		NV									
COPPER				.01 MG/L		UNV									
IRON				.0538 MG/L		NV									
LEAD							.0074 MG/L		-						
MAGNESIUM				23.7 MG/L		NV									
MANGANESE				.00654 MG/L		NV									
MOLYBDENUM				.01 MG/L		UNV									
NICKEL				.02 MG/L		UNV									

SAMPLE NUMBER:	004233			004233			004233			004233			068555		
LAB:	IT-KNOX			IT-KNOX			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			R-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM				2.46 MG/L		-									
SELENIUM				.002 MG/L		-									
SILICON				3.51 MG/L		NV									
SILVER							.01 MG/L		UNV						
SODIUM				27.3 MG/L		NV									
THALLIUM				.002 MG/L		NV									
VANADIUM				.0158 MG/L		NV									
PESTICIDES															
4,4'-DDD							.1 UG/L		U						
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						
ALDRIN							.05 UG/L		U						
ALPHA-BHC							.05 UG/L		U						
ALPHA-CHLORDANE							.5 UG/L		U						
AROCLOR-1016							.5 UG/L		U						
AROCLOR-1221							.5 UG/L		U						
AROCLOR-1232							.5 UG/L		U						
AROCLOR-1242							.5 UG/L		U						
AROCLOR-1248							.5 UG/L		U						
AROCLOR-1254							1 UG/L		U						
AROCLOR-1260							1 UG/L		U						
BETA-BHC							.05 UG/L		U						
DELTA-BHC							.05 UG/L		U						
DIELDRIN							.1 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.1 UG/L		U						
ENDRIN KETONE							.1 UG/L		U						
GAMMA-BHC (LINDANE)							.05 UG/L		U						
GAMMA-CHLORDANE							.5 UG/L		U						
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							1 UG/L		U						
RADIONUCLIDES															
URANIUM-238							31.6 PCI/L	4	-				43.4 PCI/L	5.6	
URANIUM, TOTAL							87 UG/L	13	-				106 UG/L	15	

SAMPLE NUMBER:	004233			004233			004233			004233			068555		
LAB:	IT-KNOX			IT-KNOX			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			R-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-234							30.2 PCI/L	3.8	-				46 PCI/L	5.9	-
THORIUM-230							4.53 PCI/L	1.55	J				2 PCI/L	.9	J
RADIUM-226							7.36 PCI/L	1.15	-				1 PCI/L		U
URANIUM-235/236							1.73 PCI/L	.44	-				2.95 PCI/L	.84	-
THORIUM-232							1 PCI/L		UJ				1 PCI/L		U
THORIUM, TOTAL							9.1 UG/L		UJ				2.3 UG/L		U
RADIUM-228							3 PCI/L		UJ				3 PCI/L		U
THORIUM-228							1.51 PCI/L	.88	J				1 PCI/L		U
NEPTUNIUM-237							1 PCI/L		U				1 PCI/L		UJ
PLUTONIUM-239/240							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		U				1 PCI/L		U
STRONTIUM-90							5 PCI/L		R				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R
GROSS ALPHA													70.7 PCI/L	14.4	NV
GROSS BETA													18.8 PCI/L	3.9	NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							20 UG/L		UR	10 UG/L		UJ			
1,2-DICHLOROBENZENE							20 UG/L		UR	10 UG/L		UJ			
1,3-DICHLOROBENZENE							20 UG/L		UR	10 UG/L		UJ			
1,4-DICHLOROBENZENE							20 UG/L		UR	10 UG/L		UJ			
2,4,5-TRICHLOROPHENOL							100 UG/L		UR	50 UG/L		U			
2,4,6-TRICHLOROPHENOL							20 UG/L		UR	10 UG/L		U			
2,4-DICHLOROPHENOL							20 UG/L		UR	10 UG/L		U			
2,4-DIMETHYLPHENOL							20 UG/L		UR	10 UG/L		U			
2,4-DINITROPHENOL							100 UG/L		UR	50 UG/L		U			
2,4-DINITROTOLUENE							20 UG/L		UR	10 UG/L		UJ			
2,6-DINITROTOLUENE							20 UG/L		UR	10 UG/L		UJ			
2-CHLORONAPHTHALENE							20 UG/L		UR	10 UG/L		UJ			
2-CHLOROPHENOL							20 UG/L		UR	10 UG/L		U			
2-METHYLNAPHTHALENE							20 UG/L		UR	10 UG/L		UJ			
2-METHYLPHENOL							20 UG/L		UR	10 UG/L		U			
2-NITROANILINE							100 UG/L		UR	50 UG/L		UJ			
2-NITROPHENOL							20 UG/L		UR	10 UG/L		U			
3,3'-DICHLOROBENZIDINE							40 UG/L		UR	20 UG/L		UJ			
3-NITROANILINE							100 UG/L		UR	50 UG/L		UJ			
4,6-DINITRO-2-METHYLPHENOL							100 UG/L		UR	50 UG/L		UJ			
4-BROMOPHENYL PHENYL ETHER							20 UG/L		UR	10 UG/L		UJ			
4-CHLORO-3-METHYLPHENOL							20 UG/L		UR	10 UG/L		U			

SAMPLE NUMBER:	004233			004233			004233			004233			068555		
LAB:	IT-KNOX			IT-KNOX			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			R-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-CHLOROPHENYLPHENYL ETHER							20 UG/L		UR	10 UG/L		UJ			
4-METHYLPHENOL							20 UG/L		UR	10 UG/L		U			
4-NITROANILINE							100 UG/L		UR	50 UG/L		UJ			
4-NITROPHENOL							100 UG/L		UR	50 UG/L		U			
ACENAPHTHENE							20 UG/L		UR	10 UG/L		UJ			
ACENAPHTHYLENE							20 UG/L		UR	10 UG/L		UJ			
ANTHRACENE							20 UG/L		UR	10 UG/L		UJ			
BENZO(A)ANTHRACENE							20 UG/L		UR	10 UG/L		UJ			
BENZO(A)PYRENE							20 UG/L		UR	10 UG/L		UJ			
BENZO(B)FLUORANTHENE							20 UG/L		UR	10 UG/L		UJ			
BENZO(G,H,I)PERYLENE							20 UG/L		UR	10 UG/L		UJ			
BENZO(K)FLUORANTHENE							20 UG/L		UR	10 UG/L		UJ			
BENZOIC ACID							100 UG/L		UR	50 UG/L		UJ			
BENZYL ALCOHOL							20 UG/L		UR	10 UG/L		UJ			
BIS(2-CHLOROETHOXY)METHANE							20 UG/L		UR	10 UG/L		UJ			
BIS(2-CHLOROETHYL)ETHER							20 UG/L		UR	10 UG/L		UJ			
BIS(2-CHLOROISOPROPYL) ETHER							20 UG/L		UR	10 UG/L		UJ			
BIS(2-ETHYLHEXYL)PHTHALATE							20 UG/L		UR	10 UG/L		UJ			
BUTYL BENZYL PHTHALATE							20 UG/L		UR	10 UG/L		UJ			
CHRYSENE							20 UG/L		UR	10 UG/L		UJ			
DI-N-BUTYL PHTHALATE							20 UG/L		UR	10 UG/L		UJ			
DI-N-OCTYL PHTHALATE							20 UG/L		UR	10 UG/L		UJ			
DIBENZO(A,H)ANTHRACENE							20 UG/L		UR	10 UG/L		UJ			
DIBENZOFURAN							20 UG/L		UR	10 UG/L		UJ			
DIETHYL PHTHALATE							20 UG/L		UR	10 UG/L		UJ			
DIMETHYL PHTHALATE							20 UG/L		UR	10 UG/L		UJ			
FLUORANTHENE							20 UG/L		UR	10 UG/L		UJ			
FLUORENE							20 UG/L		UR	10 UG/L		UJ			
HEXACHLOROBENZENE							20 UG/L		UR	10 UG/L		UJ			
HEXACHLOROBUTADIENE							20 UG/L		UR	10 UG/L		UJ			
HEXACHLOROCYCLOPENTADIENE							20 UG/L		UR	10 UG/L		UJ			
HEXACHLOROETHANE							20 UG/L		UR	10 UG/L		UJ			
INDENO(1,2,3-CD)PYRENE							20 UG/L		UR	10 UG/L		UJ			
ISOPHORONE							20 UG/L		UR	10 UG/L		UJ			
N-NITROSO-DI-N-PROPYLAMINE							20 UG/L		UR	10 UG/L		UJ			
N-NITROSODIPHENYLAMINE							20 UG/L		UR	10 UG/L		UJ			
NAPHTHALENE							20 UG/L		UR	10 UG/L		U			
NITROBENZENE							20 UG/L		UR	10 UG/L		UJ			
P-CHLOROANILINE							20 UG/L		UR	10 UG/L		UJ			
PENTACHLOROPHENOL							100 UG/L		UR	50 UG/L		UR			
PHENANTHRENE							20 UG/L		UR	10 UG/L		UJ			

SAMPLE NUMBER:	004233			004233			004233			004233			068555		
LAB:	IT-KNOX			IT-KNOX			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			R-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PHENOL							20 UG/L		UR	10 UG/L		U			
PYRENE							20 UG/L		UR	10 UG/L		UJ			
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		J						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		UJ						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHENE							5 UG/L		U						
1,2-DICHLOROETHANE							5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		U						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							1 UG/L		J						
4-METHYL-2-PENTANONE							10 UG/L		UJ						
ACETONE							10 UG/L		U						
BENZENE							5 UG/L		UJ						
BROMODICHLOROMETHANE							5 UG/L		U						
BROMOFORM							5 UG/L		U						
BROMOMETHANE							10 UG/L		UJ						
CARBON DISULFIDE							5 UG/L		U						
CARBON TETRACHLORIDE							5 UG/L		U						
CHLOROBENZENE							5 UG/L		UJ						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							5 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							5 UG/L		UJ						
DIBROMOCHLOROMETHANE							5 UG/L		U						
ETHYLBENZENE							5 UG/L		UJ						
METHYLENE CHLORIDE							5 UG/L		U						
STYRENE							5 UG/L		UJ						
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							5 UG/L		UJ						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		UJ						
TRICHLOROETHENE							5 UG/L		U						
VINYL ACETATE							10 UG/L		UJ						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068556	EMGW_SYSGEN_701	EMGW_SYSGEN_701	003787	003787
TASK:	3.11	GWMON	GWMON	3.2.4	3.2.4
LAB:	IT	IT	NET	IT	IT
WELL OR BORING NUMBER:	2095	2095	2095	2095	2095
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-FEB-92	05-SEP-90	05-SEP-90	06-DEC-88	06-DEC-88
NORTH COORDINATE:	475052.04	475052.04	475052.04	475052.04	475052.04
EAST COORDINATE:	1379568.71	1379568.71	1379568.71	1379568.71	1379568.71
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	068555				
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							276 MG/L		NV						
AMMONIA													.1 MG/L		UJ
CHLORIDE							45 MG/L		NV				4 MG/L		U
FLUORIDE							.31 MG/L		NV				.24 MG/L		-
NITRATE							10.7 MG/L		NV				17.5 MG/L		J
NITRATE, AS NITROGEN							10.7 MG/L		NV						
PH							7.19 SU		NV				.029 MG/L		-
PHENOLS							.005 MG/L		UNV				.029 MG/L		-
PHOSPHORUS													.063 MG/L		U
SPECIFIC CONDUCTIVITY							757 UMHOS/CM		NV						
SULFATE							54 MG/L		NV				17.5 MG/L		-
TOTAL DISSOLVED SOLIDS							510 MG/L		NV						
TOTAL KJELDAHL NITROGEN													.6 MG/L		UJ
TOTAL ORGANIC CARBON							4 MG/L		NV						
TOTAL ORGANIC HALIDES													.05 MG/L		U
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.6 MG/L		UJ
INORGANICS															
ARSENIC										.002 MG/L		UJ			
BARIUM										.05 MG/L		U			
CADMIUM										.002 MG/L		U			
CALCIUM										100 MG/L		-			
CHROMIUM										.02 MG/L		U			
COPPER										.014 MG/L		U			
IRON										.032 MG/L		U			

SAMPLE NUMBER:	068556			EMGW_SYSGEN_701			EMGW_SYSGEN_701			003787			003787		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD										.002 MG/L		UJ			
MAGNESIUM										23.3 MG/L		-			
MANGANESE										.003 MG/L		U			
MERCURY										.0004 MG/L		J			
MOLYBDENUM										.02 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										2.5 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILVER										.02 MG/L		U			
SODIUM										24.6 MG/L		-			
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	41 PCI/L	5.3	-	17.5 PCI/L		NV							61.4 PCI/L	8.9	-
URANIUM, TOTAL	108 UG/L	15	-	52.3 UG/L		NV							177 UG/L	29	-
URANIUM-234	39.7 PCI/L	5.1	-	17.3 PCI/L		NV							56.9 PCI/L	8.3	-
THORIUM-230	1 PCI/L		U	.42 PCI/L		UNV							1 PCI/L		U
RADIUM-226	1 PCI/L		U	1 PCI/L		UNV							1 PCI/L		U
URANIUM-235/236	3.12 PCI/L	.85	-	.822 PCI/L		NV							2.3 PCI/L	.8	-
THORIUM-232	1 PCI/L		U	.42 PCI/L		UNV							1 PCI/L		U
THORIUM, TOTAL	5.2 UG/L		U	3.8 UG/L		UNV							4 UG/L		U
RADIUM-228	3 PCI/L		U	3 PCI/L		UNV							3 PCI/L		U
THORIUM-228	1 PCI/L		U	.42 PCI/L		UNV							1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		UJ										1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		U										1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U										1 PCI/L		U
STRONTIUM-90	5 PCI/L		U										5 PCI/L		U
TECHNETIUM-99	30 PCI/L		UJ										30 PCI/L		U
RUTHENIUM-106	150 PCI/L		UJ										150 PCI/L		R
CESIUM-137	20 PCI/L		UJ										20 PCI/L		R
GROSS ALPHA	85.6 PCI/L	15.4	NV	96.1 PCI/L		NV									
GROSS BETA	21.1 PCI/L	3.9	NV	87.6 PCI/L		NV									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							60 UG/L		UNV						

SAMPLE NUMBER:	068556			EMGW_SYSGEN_701			EMGW_SYSGEN_701			003787			003787		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	067957	067957	068396	068397	068298
TASK:	3.11	3.11	3.11	3.11	3.11
LAB:	IT	IT	IT	WEMCO	IT
WELL OR BORING NUMBER:	2095	2095	2095	2095	2095
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-MAR-91	07-MAR-91	07-NOV-91	07-NOV-91	08-OCT-91
NORTH COORDINATE:	475052.04	475052.04	475052.04	475052.04	475052.04
EAST COORDINATE:	1379568.71	1379568.71	1379568.71	1379568.71	1379568.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U									
CHLORIDE				44.4 MG/L		-									
FLUORIDE				.19 MG/L		-									
NITRATE				8.12 MG/L		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.39 MG/L		-									
SULFATE				35.7 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				1.6 MG/L		-									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.3 MG/L		J									
INORGANICS															
ALUMINUM	.07 MG/L		-												
ARSENIC	.002 MG/L		U												
BARIUM	.05 MG/L		-												
CADMIUM	.005 MG/L		-												
CALCIUM	101 MG/L		-												
CHROMIUM	.03 MG/L		-												
COPPER	.01 MG/L		U												
IRON	.024 MG/L		-												
LEAD	.002 MG/L		U												
MAGNESIUM	24.8 MG/L		-												
MANGANESE	.006 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.01 MG/L		U												

SAMPLE NUMBER:	067957			067957			068396			068397			068298		
LAB:	IT			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.02 MG/L		U												
POTASSIUM	2.64 MG/L		J												
SELENIUM	.002 MG/L		U												
SILICON	3.62 MG/L		-												
SILVER	.023 MG/L		-												
SODIUM	17.4 MG/L		-												
VANADIUM	.01 MG/L		U												
RADIONUCLIDES															
URANIUM-238	18 PCI/L	2.2	J				27.7 PCI/L	3.7	-				33.8 PCI/L	3.9	J
URANIUM, TOTAL	116 UG/L	16	-				82.5 UG/L	10.7	-	94 UG/L		NV	94.8 UG/L	12.9	-
URANIUM-234	17.7 PCI/L	2.2	J				26.6 PCI/L	3.6	-				30.3 PCI/L	3.5	-
THORIUM-230	1 PCI/L		U				1 PCI/L		U						
RADIUM-226	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM-235/236	1.08 PCI/L	.3	J				1.87 PCI/L	.63	-				2.1 PCI/L	.42	-
THORIUM-232	1 PCI/L		U				1 PCI/L		U						
THORIUM, TOTAL	1.6 UG/L		U				5.2 UG/L		U						
RADIUM-228	3 PCI/L		U				3.7 PCI/L		U				3 PCI/L		UJ
THORIUM-228	1 PCI/L		U				1 PCI/L		U						
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
STRONTIUM-90	5 PCI/L		UJ				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	30 PCI/L		UJ				30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106	150 PCI/L		UJ				150 PCI/L		UJ				150 PCI/L		UJ
CESIUM-137	20 PCI/L		UJ				20 PCI/L		UJ				20 PCI/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003583	003583	003976	003976	EMGW_SYSGEN_702
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	GWMON
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2095	2095	2095	2095	2095
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-SEP-88	08-SEP-88	10-FEB-89	10-FEB-89	11-MAR-91
NORTH COORDINATE:	475052.04	475052.04	475052.04	475052.04	475052.04
EAST COORDINATE:	1379568.71	1379568.71	1379568.71	1379568.71	1379568.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.1 MG/L		U			
CHLORIDE				29.5 MG/L		-				24 MG/L		-			
FLUORIDE				.3 MG/L		J				.17 MG/L		-			
NITRATE				1.72 MG/L		R				2.96 MG/L		R			
PHENOLS				.05 MG/L		J				.01 MG/L		U			
PHOSPHORUS				.01 MG/L		U				.87 MG/L		-			
SULFATE				56 MG/L		J				137 MG/L		-			
TOTAL KJELDAHL NITROGEN										.588 MG/L		J			
TOTAL ORGANIC HALIDES				.05 MG/L		U				.01 MG/L		UJ			
TOTAL ORGANIC NITROGEN				.1 MG/L		J				.588 MG/L		-			
INORGANICS															
ARSENIC	.002 MG/L		U				.002 MG/L		U						
BARIUM	.04 MG/L		-				.048 MG/L		-						
CADMIUM	.002 MG/L		U				.005 MG/L		U						
CALCIUM	95.3 MG/L		-				110 MG/L		-						
CHROMIUM	.02 MG/L		U				.027 MG/L		-						
COPPER	.01 MG/L		U				.012 MG/L		-						
IRON	.005 MG/L		U				.216 MG/L		-						
LEAD	.259 MG/L		J				.002 MG/L		UJ						
MAGNESIUM	23.3 MG/L		-				26.8 MG/L		-						
MANGANESE	.011 MG/L		-				.024 MG/L		-						
MERCURY	.0002 MG/L		U				.0004 MG/L		J						
MOLYBDENUM	.02 MG/L		U				.003 MG/L		U						
NICKEL	.02 MG/L		U				.017 MG/L		-						
POTASSIUM	2.35 MG/L		-				2.11 MG/L		J						

SAMPLE NUMBER:	003583			003583			003976			003976			EMGW_SYSGEN_702		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.002 MG/L		UJ				.002 MG/L		UJ						
SILVER	.01 MG/L		U				.0005 MG/L		UJ						
SODIUM	16 MG/L		-				14.4 MG/L		-						
RADIONUCLIDES															
URANIUM-238				52.2 PCI/L	6.4	-				47.7 PCI/L	6.3	-	33.4 PCI/L		NV
URANIUM, TOTAL				169 UG/L	27	J				146 UG/L	25	-	93.5 UG/L		NV
URANIUM-234				48.9 PCI/L	6	-				43.2 PCI/L	5.9	-	31.2 PCI/L		NV
THORIUM-230				1 PCI/L		U				1 PCI/L		U	.42 PCI/L		NV
RADIUM-226				1 PCI/L		U				1.4 PCI/L	.3	J	1.07 PCI/L		NV
URANIUM-235/236				2.3 PCI/L	.5	-				1.8 PCI/L	.5	-	2.31 PCI/L		NV
THORIUM-232				1 PCI/L		U				1 PCI/L		U	.26 PCI/L		UNV
THORIUM, TOTAL				2 UG/L		U				5 UG/L		U	2.3 UG/L		UNV
RADIUM-228				3 PCI/L		U				3 PCI/L		UJ	3.15 PCI/L		NV
THORIUM-228				1 PCI/L		U				1.2 PCI/L	.5	-	.591 PCI/L		NV
NEPTUNIUM-237				1 PCI/L		UJ				1 PCI/L		U	.5 PCI/L		UNV
PLUTONIUM-239/240				1 PCI/L		UJ				1 PCI/L		U	.5 PCI/L		UNV
PLUTONIUM-238				1 PCI/L		UJ				1 PCI/L		U	.5 PCI/L		UNV
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		UJ				30 PCI/L		U	27 PCI/L		UNV
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R	150 PCI/L		UNV
CESIUM-137				20 PCI/L		R				20 PCI/L		R	9.6 PCI/L		UNV
GROSS ALPHA													68.6 PCI/L		NV
GROSS BETA													47.8 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_702	GW930511-2	GW930511-2	GW930511-2	GW930511-2
TASK:	GWMON	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	NET	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	2095	2095	2095	2095	2095
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-MAR-91	11-MAY-93	11-MAY-93	11-MAY-93	11-MAY-93
NORTH COORDINATE:	475052.04	475052.04	475052.04	475052.04	475052.04
EAST COORDINATE:	1379568.71	1379568.71	1379568.71	1379568.71	1379568.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	284 MG/L		NV												
AMMONIA	.02 MG/L		UNV												
CHLORIDE	43 MG/L		NV												
FLUORIDE	.17 MG/L		NV												
NITRATE, AS NITROGEN	8.98 MG/L		NV												
PH	7.3 SU		NV												
PHENOLS	.005 MG/L		UNV												
PHOSPHORUS	.29 MG/L		NV												
SPECIFIC CONDUCTIVITY	748 UMHOS/CM		NV												
SULFATE	45 MG/L		NV												
TOTAL DISSOLVED SOLIDS	390 MG/L		NV												
TOTAL ORGANIC CARBON	3 MG/L		NV												
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
INORGANICS															
ALUMINUM	2.27 MG/L		NV												
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.01 MG/L		NV												
BARIUM	.2 MG/L		UNV												
BERYLLIUM	.01 MG/L		UNV												
CADMIUM	.001 MG/L		UNV												
CALCIUM	112 MG/L		NV												
CHROMIUM	.017 MG/L		NV												
COBALT	.025 MG/L		UNV												
COPPER	.025 MG/L		UNV												
CYANIDE	.005 MG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_702			GW930511-2			GW930511-2			GW930511-2			GW930511-2		
LAB:	NET			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	17 MG/L		NV												
LEAD	.007 MG/L		NV												
MAGNESIUM	40.7 MG/L		NV												
MANGANESE	.396 MG/L		NV												
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	.025 MG/L		UNV												
NICKEL	.024 MG/L		NV												
POTASSIUM	4.18 MG/L		NV												
SELENIUM	.0025 MG/L		UNV												
SILVER	.001 MG/L		UNV												
SODIUM	22.8 MG/L		NV												
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV												
ZINC	.038 MG/L		NV												
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				38.5 PCI/L	5.5	J	41.9 PCI/L	8.5	R						
URANIUM, TOTAL				92.9 UG/L	6.5	-	81.7 UG/L	5.7	-	78 UG/L		NV	96 UG/L		NV
URANIUM-234				37.5 PCI/L	5.4	J	35.3 PCI/L	7.2	R						
THORIUM-230				.3 PCI/L	.2	U	.3 PCI/L	.1	J						
RADIUM-226				1 PCI/L	.2	U	1 PCI/L	.3	UJ						
URANIUM-235/236				.2 PCI/L	.2	UJ	4.6 PCI/L	1.4	R						
THORIUM-232				.2 PCI/L	.1	U	.4 PCI/L	.1	UJ						
RADIUM-228				3 PCI/L	1.3	U	3 PCI/L	1.6	U						
THORIUM-228				.3 PCI/L	.2	-	.2 PCI/L	.1	UJ						
GROSS ALPHA				41 PCI/L	4	NV	45.2 PCI/L	7	NV						
GROSS BETA				38.7 PCI/L	2.9	NV	51.9 PCI/L	4.7	NV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												

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SAMPLE NUMBER:	EMGW_SYSGEN_702			GW930511-2			GW930511-2			GW930511-2			GW930511-2		
LAB:	NET			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930511-2	GW930511-2	PRS209501-R1	068011	068012
TASK:	50.03.23	50.03.23	RCRACLOS	3.11	3.11
LAB:	LOCKHEED	LOCKHEED	ENSR	IT-KNOX	WEMCO
WELL OR BORING NUMBER:	2095	2095	2095	2095	2095
DEPTH:	-	-	0-0	-	-
DATE COLLECTED:	11-MAY-93	11-MAY-93	14-MAY-90	14-MAY-91	14-MAY-91
NORTH COORDINATE:	475052.04	475052.04	475115	475052.04	475052.04
EAST COORDINATE:	1379568.71	1379568.71	1379500	1379568.71	1379568.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				270 MG/L		-									
AMMONIA				.05 MG/L		U	.1 MG/L		UNV						
BICARBONATE ALKALINITY				270 MG/L		-									
CARBONATE ALKALINITY				30 MG/L		U									
CHEMICAL OXYGEN DEMAND							6 MG/L		NV						
CHLORIDE				24 MG/L		-	40 MG/L		NV						
FLUORIDE				.39 MG/L		-									
NITRATE/NITRITE				5.1 MG/L		-									
PH				7.9 SU		-	1 UG/L		UNV						
PHENOLS				.15 MG/L		U									
PHOSPHORUS				.2 MG/L		-	.06 MG/L		NV						
SPECIFIC CONDUCTIVITY				700 UMHOS/CM		-									
SULFATE				46 MG/L		-	41 MG/L		NV						
TOTAL DISSOLVED SOLIDS	390 MG/L		-				450 MG/L		NV						
TOTAL ORGANIC CARBON				1.3 MG/L		-									
TOTAL ORGANIC HALIDES				.045 MG/L		U									
TOTAL ORGANIC NITROGEN				.308 MG/L		-									
TOTAL SOLIDS				610 MG/L		-									
INORGANICS															
ALUMINUM	.024 MG/L		U	3.08 MG/L		J	.023 MG/L		UNV						
ANTIMONY	.027 MG/L		UJ	.027 MG/L		UJ	.039 MG/L		UNV						
ARSENIC	.002 MG/L		U	.002 MG/L		UJ	.003 MG/L		UNV						
BARIUM	.0452 MG/L		-	.0585 MG/L		J	.036 MG/L		NV						
BERYLLIUM	.001 MG/L		U	.001 MG/L		UJ	.001 MG/L		UNV						
CADMIUM	.002 MG/L		U	.002 MG/L		UJ	.005 MG/L		UNV						

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SAMPLE NUMBER:	GW930511-2			GW930511-2			PRS209501-R1			068011			068012		
LAB:	LOCKHEED			LOCKHEED			ENSR			IT-KNOX			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	107 MG/L		-	143 MG/L		J	81.5 MG/L		NV						
CHROMIUM	.004 MG/L		U	.0249 MG/L		J	.007 MG/L		UNV						
COBALT	.005 MG/L		U	.005 MG/L		UJ	.007 MG/L		UNV						
COPPER	.003 MG/L		U	.0165 MG/L		J	.005 MG/L		UNV						
CYANIDE	.02 MG/L		UJ	.02 MG/L		UJ	.01 MG/L		UNV						
IRON	.092 MG/L		-	8.81 MG/L		J	.006 MG/L		NV						
LEAD	.002 MG/L		U	.007 MG/L		J	.002 MG/L		UNV						
MAGNESIUM	26 MG/L		-	42.4 MG/L		J	19.1 MG/L		NV						
MANGANESE	.0138 MG/L		-	.238 MG/L		J	.004 MG/L		UNV						
MERCURY	.0002 MG/L		U	.0002 MG/L		UJ	.0002 MG/L		UNV						
MOLYBDENUM	.011 MG/L		U	.0119 MG/L		J									
NICKEL	.011 MG/L		U	.0291 MG/L		J	.034 MG/L		UNV						
POTASSIUM	2.13 MG/L		-	3.6 MG/L		J	3.97 MG/L		UNV						
SELENIUM	.001 MG/L		UJ	.001 MG/L		J	.002 MG/L		UNV						
SILVER	.004 MG/L		U	.004 MG/L		UJ	.004 MG/L		UNV						
SODIUM	12.4 MG/L		-	11.5 MG/L		J	19.8 MG/L		NV						
THALLIUM	.003 MG/L		U	.003 MG/L		UJ	.003 MG/L		UNV						
VANADIUM	.004 MG/L		U	.005 MG/L		J	.005 MG/L		UNV						
ZINC	.0049 MG/L		-	.0409 MG/L		J	.018 MG/L		NV						
MISC															
ACROLEIN							25 UG/L		UNV						
ACROLEIN							25 UG/L		UNV						
ACROLEIN							25 UG/L		UNV						
ACROLEIN							25 UG/L		UNV						
ACRYLONITRILE							25 UG/L		UNV						
PESTICIDES															
4,4'-DDD							.01 UG/L		UNV						
4,4'-DDE							.01 UG/L		UNV						
4,4'-DDT							.01 UG/L		UNV						
ALDRIN							.005 UG/L		UNV						
ALPHA-BHC							.005 UG/L		UNV						
ALPHA-CHLORDANE							.05 UG/L		UNV						
AROCLOR-1016							.05 UG/L		UNV						
AROCLOR-1221							.05 UG/L		UNV						
AROCLOR-1232							.05 UG/L		UNV						
AROCLOR-1242							.05 UG/L		UNV						
AROCLOR-1248							.05 UG/L		UNV						
AROCLOR-1254							.1 UG/L		UNV						

SAMPLE NUMBER:	GW930511-2			GW930511-2			PRS209501-R1			068011			068012		
LAB:	LOCKHEED			LOCKHEED			ENSR			IT-KNOX			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
AROCLOR-1260							.1 UG/L		UNV						
BETA-BHC							.005 UG/L		UNV						
DELTA-BHC							.005 UG/L		UNV						
DIELDRIN							.01 UG/L		UNV						
ENDOSULFAN SULFATE							.01 UG/L		UNV						
ENDOSULFAN-I							.005 UG/L		UNV						
ENDRIN							.01 UG/L		UNV						
ENDRIN KETONE							.01 UG/L		UNV						
GAMMA-BHC (LINDANE)							.005 UG/L		UNV						
GAMMA-CHLORDANE							.05 UG/L		UNV						
HEPTACHLOR							.005 UG/L		UNV						
HEPTACHLOR EPOXIDE							.005 UG/L		UNV						
TOXAPHENE							.1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238										39.7 PCI/L	5.4	-			
URANIUM, TOTAL										120 UG/L	12	-	102 UG/L		NV
URANIUM-234										37.2 PCI/L	5.1	-			
THORIUM-230										1 PCI/L		U			
RADIUM-226										1 PCI/L		UJ			
URANIUM-235/236										1 PCI/L		U			
THORIUM-232										1 PCI/L		U			
THORIUM, TOTAL										3.3 UG/L		U			
RADIUM-228										3 PCI/L		UJ			
THORIUM-228										1 PCI/L		U			
NEPTUNIUM-237										1 PCI/L		UJ			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		UJ			
CESIUM-137										20 PCI/L		UJ			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							2 UG/L		UNV						
1,2-DICHLOROBENZENE							3 UG/L		UNV						
1,3-DICHLOROBENZENE							2 UG/L		UNV						
1,4-DICHLOROBENZENE							2 UG/L		UNV						
2,4,5-TRICHLOROPHENOL							2 UG/L		UNV						
2,4,6-TRICHLOROPHENOL							2 UG/L		UNV						

SAMPLE NUMBER:	GW930511-2			GW930511-2			PRS209501-R1			068011			068012		
LAB:	LOCKHEED			LOCKHEED			ENSR			IT-KNOX			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DICHLOROPHENOL							2 UG/L		UNV						
2,4-DIMETHYLPHENOL							170 UG/L		NV						
2,4-DINITROPHENOL							15 UG/L		UNV						
2,4-DINITROTOLUENE							1 UG/L		UNV						
2,6-DINITROTOLUENE							1 UG/L		UNV						
2-CHLORONAPHTHALENE							2 UG/L		UNV						
2-CHLOROPHENOL							2 UG/L		UNV						
2-METHYLNAPHTHALENE							2 UG/L		UNV						
2-METHYLPHENOL							1 UG/L		UNV						
2-NITROANILINE							1 UG/L		UNV						
2-NITROPHENOL							2 UG/L		UNV						
3-NITROANILINE							3 UG/L		UNV						
4,6-DINITRO-2-METHYLPHENOL							15 UG/L		UNV						
4-BROMOPHENYL PHENYL ETHER							2 UG/L		UNV						
4-CHLORO-3-METHYLPHENOL							2 UG/L		UNV						
4-CHLOROPHENYLPHENYL ETHER							1 UG/L		UNV						
4-METHYLPHENOL							1 UG/L		UNV						
4-NITROANILINE							3 UG/L		UNV						
4-NITROPHENOL							2 UG/L		UNV						
ACENAPHTHENE							2 UG/L		UNV						
ACENAPHTHYLENE							2 UG/L		UNV						
ANTHRACENE							3 UG/L		UNV						
BENZO(A)ANTHRACENE							2 UG/L		UNV						
BENZO(A)PYRENE							2 UG/L		UNV						
BENZO(B)FLUORANTHENE							2 UG/L		UNV						
BENZO(G,H,I)PERYLENE							4 UG/L		UNV						
BENZO(K)FLUORANTHENE							2 UG/L		UNV						
BENZOIC ACID							20 UG/L		UNV						
BENZYL ALCOHOL							2 UG/L		UNV						
BIS(2-CHLOROETHOXY)METHANE							3 UG/L		UNV						
BIS(2-CHLOROETHYL)ETHER							2 UG/L		UNV						
BIS(2-CHLOROISOPROPYL) ETHER							3 UG/L		UNV						
BIS(2-ETHYLHEXYL)PHTHALATE							2 UG/L		UNV						
BUTYL BENZYL PHTHALATE							4 UG/L		UNV						
CHRYSENE							2 UG/L		UNV						
DI-N-BUTYL PHTHALATE							2 UG/L		UNV						
DI-N-OCTYL PHTHALATE							2 UG/L		NV						
DIBENZO(A,H)ANTHRACENE							3 UG/L		UNV						
DIBENZOFURAN							1 UG/L		UNV						
DIETHYL PHTHALATE							1 UG/L		UNV						
DIMETHYL PHTHALATE							2 UG/L		UNV						

SAMPLE NUMBER:	GW930511-2			GW930511-2			PRS209501-R1			068011			068012		
LAB:	LOCKHEED			LOCKHEED			ENSR			IT-KNOX			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORANTHENE							2 UG/L		UNV						
FLUORENE							1 UG/L		UNV						
HEXACHLOROBENZENE							2 UG/L		UNV						
HEXACHLOROBUTADIENE							3 UG/L		UNV						
HEXACHLOROCYCLOPENTADIENE							2 UG/L		UNV						
HEXACHLOROETHANE							2 UG/L		UNV						
INDENO(1,2,3-CD)PYRENE							4 UG/L		UNV						
ISOPHORONE							3 UG/L		UNV						
N-NITROSO-DI-N-PROPYLAMINE							2 UG/L		UNV						
N-NITROSODIPHENYLAMINE							2 UG/L		UNV						
NAPHTHALENE							2 UG/L		UNV						
NITROBENZENE							3 UG/L		UNV						
P-CHLOROANILINE							2 UG/L		UNV						
PENTACHLOROPHENOL							2 UG/L		UNV						
PHENANTHRENE							1 UG/L		UNV						
PHENOL				.15 MG/L		U	2 UG/L		UNV						
PYRENE							2 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U	1 UG/L		NV						
1,1,2,2-TETRACHLOROETHANE				10 UG/L		UJ	2 UG/L		UNV						
1,1,2-TRICHLOROETHANE				10 UG/L		U	2 UG/L		UNV						
1,1-DICHLOROETHANE				10 UG/L		U	2 UG/L		UNV						
1,1-DICHLOROETHENE				10 UG/L		U	2 UG/L		UNV						
1,2-DICHLOROETHANE				10 UG/L		U	2 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U	2 UG/L		UNV						
1,2-DICHLOROPROPANE				10 UG/L		U	2 UG/L		UNV						
2-BUTANONE				10 UG/L		U	5 UG/L		UNV						
2-HEXANONE				10 UG/L		UJ	5 UG/L		UNV						
4-METHYL-2-PENTANONE				10 UG/L		UJ	2 UG/L		UNV						
ACETONE				10 UG/L		UJ	5 UG/L		UNV						
BENZENE				10 UG/L		U	2 UG/L		UNV						
BROMODICHLOROMETHANE				10 UG/L		U	2 UG/L		UNV						
BROMOFORM				10 UG/L		U	2 UG/L		UNV						
BROMOMETHANE				10 UG/L		U	2 UG/L		UNV						
CARBON DISULFIDE				10 UG/L		U	3 UG/L		UNV						
CARBON TETRACHLORIDE				10 UG/L		U	2 UG/L		UNV						
CHLOROBENZENE				10 UG/L		U	2 UG/L		UNV						
CHLOROETHANE				10 UG/L		U	2 UG/L		UNV						
CHLOROFORM				10 UG/L		U	2 UG/L		UNV						
CHLOROMETHANE				10 UG/L		U	2 UG/L		UNV						

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SAMPLE NUMBER:	GW930511-2			GW930511-2			PRS209501-R1			068011			068012		
LAB:	LOCKHEED			LOCKHEED			ENSR			IT-KNOX			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CIS-1,3-DICHLOROPROPENE				10 UG/L		U	2 UG/L		UNV						
DIBROMOCHLOROMETHANE				10 UG/L		U	2 UG/L		UNV						
ETHYLBENZENE				10 UG/L		U	2 UG/L		UNV						
METHYLENE CHLORIDE				10 UG/L		U	.7 UG/L		UNV						
STYRENE				10 UG/L		U	1 UG/L		UNV						
TETRACHLOROETHENE				10 UG/L		U	2 UG/L		UNV						
TOLUENE				10 UG/L		U	2 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U	1 UG/L		UNV						
TRICHLOROETHENE				10 UG/L		U	2 UG/L		UNV						
VINYL ACETATE							5 UG/L		UNV						
VINYL CHLORIDE				10 UG/L		U	2 UG/L		UNV						
XYLENES, TOTAL				10 UG/L		U	.8 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068526	GW930916-30	068152	EMGW_SYSGEN_700	EMGW_SYSGEN_700
TASK:	3.11	RCRA	3.11	GWMON	GWMON
LAB:	IT/RSL	FERMCO	IT	IT	NET
WELL OR BORING NUMBER:	2095	2095	2095	2095	2095
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-JAN-92	16-SEP-93	17-JUL-91	19-JUN-90	19-JUN-90
NORTH COORDINATE:	475052.04	475052.04	475052.04	475052.04	475052.04
EAST COORDINATE:	1379568.71	1379568.71	1379568.71	1379568.71	1379568.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM													.339 MG/L		NV
ANTIMONY													.025 MG/L		UNV
ARSENIC													.0025 MG/L		UNV
BARIUM													.2 MG/L		UNV
BERYLLIUM													.01 MG/L		UNV
CADMIUM													.001 MG/L		UNV
CALCIUM													99.8 MG/L		NV
COBALT													.025 MG/L		UNV
COPPER													.025 MG/L		UNV
IRON													.242 MG/L		NV
LEAD													.005 MG/L		UNV
MAGNESIUM													23.7 MG/L		NV
MANGANESE													.021 MG/L		NV
MERCURY													.0002 MG/L		UNV
MOLYBDENUM													.025 MG/L		UNV
NICKEL													.005 MG/L		UNV
POTASSIUM													2.83 MG/L		NV
SELENIUM													.0025 MG/L		UNV
SILVER													.001 MG/L		UNV
SODIUM													26.8 MG/L		NV
THALLIUM													.01 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238	37.4 PCI/L	.46	-				34.6 PCI/L	4.4	-	23.3 PCI/L		NV			

SAMPLE NUMBER:	068526			GW930916-30			068152			EMGW_SYSGEN_700			EMGW_SYSGEN_700		
LAB:	IT/RSL			FERMCO			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	101 UG/L	13	-	150 UG/L		NV	62.1 UG/L	7.9	-	70.9 UG/L		NV			
URANIUM-234	36.2 PCI/L	.45	-				34.1 PCI/L	4.3	-	21.7 PCI/L		NV			
THORIUM-230	1 PCI/L		U				1 PCI/L		U	1.67 PCI/L		NV			
RADIUM-226	1 PCI/L		U				1 PCI/L		U	1.07 PCI/L		NV			
URANIUM-235/236	1.46 PCI/L	.49	-				3.33 PCI/L	.73	-	3.6 PCI/L		NV			
THORIUM-232	1 PCI/L		U				1 PCI/L		U	1 PCI/L		UNV			
THORIUM, TOTAL	3.8 UG/L		U				5.4 UG/L		U	9.2 UG/L		UNV			
RADIUM-228	3 PCI/L		U				3 PCI/L		U	3 PCI/L		UNV			
THORIUM-228	2.42 PCI/L	.92	-				2.04 PCI/L	.75	J	2.58 PCI/L		NV			
NEPTUNIUM-237	1 PCI/L		UJ				1 PCI/L		UJ	.5 PCI/L		UNV			
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U	.5 PCI/L		UNV			
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U	.5 PCI/L		UNV			
STRONTIUM-90	5 PCI/L		U				5 PCI/L		UJ	1 PCI/L		UNV			
TECHNETIUM-99	30 PCI/L		UJ				30 PCI/L		U	26 PCI/L		UNV			
RUTHENIUM-106	150 PCI/L		UJ				150 PCI/L		U						
CESIUM-137	20 PCI/L		UJ				20 PCI/L		U						
GROSS ALPHA										57 PCI/L		NV			
GROSS BETA										63.9 PCI/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_700	068245	068245	068246	GW930923-31
TASK:	GWMON	3.11	3.11	3.11	DMEPP
LAB:	NET	IT	IT	WEMCO	FERMCO
WELL OR BORING NUMBER:	2095	2095	2095	2095	2095
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-JUN-90	20-SEP-91	20-SEP-91	20-SEP-91	22-SEP-93
NORTH COORDINATE:	475052.04	475052.04	475052.04	475052.04	475052.04
EAST COORDINATE:	1379568.71	1379568.71	1379568.71	1379568.71	1379568.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U						
CHLORIDE	28 MG/L		NV				49 MG/L		-						
FLUORIDE							.1 MG/L		U						
NITRATE	6.6 MG/L		NV				8 MG/L		J						
NITRATE, AS NITROGEN	6.6 MG/L		NV												
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.04 MG/L		-						
SULFATE	40 MG/L		NV				45 MG/L		-						
SULFIDE							8 MG/L		-						
TOTAL ORGANIC CARBON	3 MG/L		NV				1 MG/L		U						
TOTAL ORGANIC HALIDES							.01 MG/L		U						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
INORGANICS															
ALUMINUM	9.56 MG/L		NV	.0429 MG/L		-									
ANTIMONY	.025 MG/L		UNV	.03 MG/L		U									
ARSENIC	.042 MG/L		NV	.002 MG/L		UJ									
BARIUM	.2 MG/L		UNV	.0455 MG/L		-									
BERYLLIUM	.01 MG/L		UNV	.001 MG/L		U									
CADMIUM	.001 MG/L		UNV	.005 MG/L		U									
CALCIUM	227 MG/L		NV	89.9 MG/L		-									
CHROMIUM	.029 MG/L		NV	.01 MG/L		U									
COBALT	.025 MG/L		UNV	.02 MG/L		U									
COPPER	.068 MG/L		NV	.01 MG/L		U									
IRON	39.5 MG/L		NV	.0312 MG/L		U									

SAMPLE NUMBER:	EMGW_SYSGEN_700			068245			068245			068246			GW930923-31		
LAB:	NET			IT			IT			WEMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD	.027 MG/L		NV	.002 MG/L		UJ									
MAGNESIUM	80 MG/L		NV	20.5 MG/L		-									
MANGANESE	1.34 MG/L		NV	.002 MG/L		U									
MERCURY	.0002 MG/L		UNV	.0002 MG/L		U									
MOLYBDENUM	.025 MG/L		UNV	.01 MG/L		U									
NICKEL	.036 MG/L		NV	.02 MG/L		U									
POTASSIUM	6.91 MG/L		NV	2.47 MG/L		-									
SELENIUM	.0025 MG/L		UNV	.004 MG/L		UJ									
SILICON				3.19 MG/L		-									
SILVER	.001 MG/L		UNV	.005 MG/L		U									
SODIUM	23.8 MG/L		NV	27.6 MG/L		-									
THALLIUM	.01 MG/L		UNV	.002 MG/L		U									
VANADIUM	.05 MG/L		UNV	.01 MG/L		U									
ZINC	.081 MG/L		NV	.0423 MG/L		U									
RADIONUCLIDES															
URANIUM-238				36.7 PCI/L	4.7	-									
URANIUM, TOTAL				117 UG/L	17	-				88 UG/L		NV	150 UG/L		NV
URANIUM-234				35.5 PCI/L	4.6	-									
THORIUM-230				1 PCI/L		U									
RADIUM-226				1 PCI/L		UJ									
URANIUM-235/236				2.03 PCI/L	.56	J									
THORIUM-232				1 PCI/L		U									
THORIUM, TOTAL				1.5 UG/L		U									
RADIUM-228				3 PCI/L		UJ									
THORIUM-228				1 PCI/L		U									
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		UJ									
PLUTONIUM-238				1 PCI/L		UJ									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		UJ									
CESIUM-137				20 PCI/L		UJ									
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_700			068245			068245			068246			GW930923-31		
LAB:	NET			IT			IT			WEMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004079	004079	004127	004127	068223
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.11
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2095	2095	2095	2095	2095
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-APR-89	27-APR-89	27-APR-89	27-APR-89	29-AUG-91
NORTH COORDINATE:	475052.04	475052.04	475052.04	475052.04	475052.04
EAST COORDINATE:	1379568.71	1379568.71	1379568.71	1379568.71	1379568.71
QA TYPE:	NORMAL	NORMAL	DUPLICATE	DUPLICATE	NORMAL
QC OF:			004079	004079	
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.151 MG/L		-				.1 MG/L		U			
CHLORIDE				32.99 MG/L		-				41.99 MG/L		-			
FLUORIDE				.22 MG/L		-				.16 MG/L		-			
NITRATE				4.48 MG/L		J				4.15 MG/L		J			
PHENOLS				.0071 MG/L		-				.005 MG/L		U			
PHOSPHORUS				.849 MG/L		-				.865 MG/L		-			
SULFATE				69.66 MG/L		-				53.76 MG/L		-			
TOTAL KJELDAHL NITROGEN				.473 MG/L		J				.579 MG/L		J			
TOTAL ORGANIC HALIDES				2.9 MG/L		R				45.1 MG/L		R			
TOTAL ORGANIC NITROGEN				.322 MG/L		J				.579 MG/L		J			
INORGANICS															
ARSENIC	.002 MG/L		U				.002 MG/L		U						
BARIUM	.0556 MG/L		-				.0525 MG/L		-						
CADMIUM	.0037 MG/L		-				.0037 MG/L		-						
CALCIUM	99.4 MG/L		-				102 MG/L		-						
CHROMIUM	.0138 MG/L		-				.0189 MG/L		-						
COPPER	.0097 MG/L		-				.0126 MG/L		-						
IRON	.037 MG/L		-				.0346 MG/L		-						
LEAD	.002 MG/L		UJ				.0062 MG/L		J						
MAGNESIUM	23.8 MG/L		-				24.2 MG/L		-						
MANGANESE	.007 MG/L		-				.0065 MG/L		-						
MERCURY	.0115 MG/L		-				.008 MG/L		-						
MOLYBDENUM	.0038 MG/L		U				.0093 MG/L		U						
NICKEL	.006 MG/L		U				.0065 MG/L		-						
POTASSIUM	2.57 MG/L		-				2.42 MG/L		-						

SAMPLE NUMBER:	004079			004079			004127			004127			068223		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.002 MG/L		U				.002 MG/L		U						
SILVER	.0005 MG/L		U				.0005 MG/L		U						
SODIUM	20 MG/L		-				22.1 MG/L		-						
RADIONUCLIDES															
URANIUM-238				58 PCI/L	7.7	-				59.3 PCI/L	7.9	-	33.3 PCI/L	4.5	R
URANIUM, TOTAL				208 UG/L	35	-				195 UG/L	32	-	103 UG/L	14	-
URANIUM-234				58.6 PCI/L	7.8	-				59.2 PCI/L	7.9	-	31.1 PCI/L	4.2	R
THORIUM-230				1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
RADIUM-226				1 PCI/L		U				1 PCI/L		U	1 PCI/L		UJ
URANIUM-235/236				3.2 PCI/L	.8	-				3.3 PCI/L	.8	-	1.86 PCI/L	.6	R
THORIUM-232				1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
THORIUM, TOTAL				3 UG/L		U				3 UG/L		U	2.4 UG/L		U
RADIUM-228				3 PCI/L		UJ				3 PCI/L		UJ			
THORIUM-228				1 PCI/L		U				1 PCI/L		U	1.01 PCI/L	.34	U
NEPTUNIUM-237				1 PCI/L		UJ				1 PCI/L		UJ	1 PCI/L		R
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U	1 PCI/L		UJ
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U	1 PCI/L		UJ
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U	5 PCI/L		U
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U	30 PCI/L		U
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R	150 PCI/L		R
CESIUM-137				20 PCI/L		R				20 PCI/L		R	20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068224	PRS209502-R2	GW930506-5	GW930506-5	GW930506-5
TASK:	3.11	RCRACLOS	50.03.23	50.03.23	50.03.23
LAB:	WEMCO	ENSR	CORE	CORE	DATACHEM
WELL OR BORING NUMBER:	2095	2095	2096	2096	2096
DEPTH:	-	0-0	-	-	-
DATE COLLECTED:	29-AUG-91	31-JUL-90	06-MAY-93	06-MAY-93	06-MAY-93
NORTH COORDINATE:	475052.04	475115	476531.14	476531.14	476531.14
EAST COORDINATE:	1379568.71	1379500	1377204.11	1377204.11	1377204.11
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		UNV									
CHEMICAL OXYGEN DEMAND				5 MG/L		UNV									
CHLORIDE				37 MG/L		NV									
PHOSPHORUS				.08 MG/L		NV									
SULFATE				44 MG/L		NV									
TOTAL DISSOLVED SOLIDS				420 MG/L		NV							630 MG/L		-
INORGANICS															
ALUMINUM				.143 MG/L		NV							.014 MG/L		U
ANTIMONY				.035 MG/L		UNV							.045 MG/L		U
ARSENIC				.002 MG/L		UNV							.001 MG/L		U
BARIUM				.05 MG/L		NV							.0714 MG/L		U
BERYLLIUM				.001 MG/L		UNV							.001 MG/L		U
CADMIUM				.005 MG/L		UNV							.0032 MG/L		U
CALCIUM				105 MG/L		NV							151 MG/L		-
CHROMIUM				.006 MG/L		UNV							.004 MG/L		U
COBALT				.004 MG/L		UNV							.006 MG/L		U
COPPER				.008 MG/L		UNV							.004 MG/L		U
CYANIDE				.01 MG/L		UNV							.01 MG/L		U
IRON				.012 MG/L		NV							2.65 MG/L		-
LEAD				.002 MG/L		UNV							.001 MG/L		UJ
MAGNESIUM				25.2 MG/L		NV							31.3 MG/L		J
MANGANESE				.003 MG/L		UNV							.595 MG/L		-
MERCURY				.0002 MG/L		UNV							.0002 MG/L		U
NICKEL				.039 MG/L		UNV							.019 MG/L		U
POTASSIUM				4.31 MG/L		NV							1.74 MG/L		U

SAMPLE NUMBER:	068224			PRS209502-R2			GW930506-5			GW930506-5			GW930506-5		
LAB:	WEMCO			ENSR			CORE			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.002 MG/L		UNV							.001 MG/L		UJ
SILVER				.008 MG/L		UNV							.003 MG/L		UJ
SODIUM				23.5 MG/L		NV							6.27 MG/L		-
THALLIUM				.002 MG/L		UNV							.001 MG/L		UJ
VANADIUM				.004 MG/L		UNV							.004 MG/L		U
ZINC				.015 MG/L		NV							.006 MG/L		U
MISC															
ACROLEIN				25 UG/L		UNV									
ACROLEIN				25 UG/L		UNV									
ACROLEIN				25 UG/L		UNV									
ACROLEIN				25 UG/L		UNV									
ACRYLONITRILE				25 UG/L		UNV									
PESTICIDES															
4,4'-DDD				.01 UG/L		UNV									
4,4'-DDE				.01 UG/L		UNV									
4,4'-DDT				.01 UG/L		UNV									
ALDRIN				.005 UG/L		UNV									
ALPHA-BHC				.005 UG/L		UNV									
ALPHA-CHLORDANE				.05 UG/L		UNV									
AROCLOR-1016				.05 UG/L		UNV									
AROCLOR-1221				.05 UG/L		UNV									
AROCLOR-1232				.05 UG/L		UNV									
AROCLOR-1242				.05 UG/L		UNV									
AROCLOR-1248				.05 UG/L		UNV									
AROCLOR-1254				.1 UG/L		UNV									
AROCLOR-1260				.1 UG/L		UNV									
BETA-BHC				.005 UG/L		UNV									
DELTA-BHC				.005 UG/L		UNV									
DIELDRIN				.01 UG/L		UNV									
ENDOSULFAN II				.01 UG/L		UNV									
ENDOSULFAN SULFATE				.01 UG/L		UNV									
ENDOSULFAN-I				.005 UG/L		UNV									
ENDRIN				.01 UG/L		UNV									
ENDRIN KETONE				.01 UG/L		UNV									
GAMMA-BHC (LINDANE)				.005 UG/L		UNV									
GAMMA-CHLORDANE				.05 UG/L		UNV									
HEPTACHLOR				.005 UG/L		UNV									
HEPTACHLOR EPOXIDE				.005 UG/L		UNV									

SAMPLE NUMBER:	068224			PRS209502-R2			GW930506-5			GW930506-5			GW930506-5		
LAB:	WEMCO			ENSR			CORE			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
METHOXYCHLOR				.05 UG/L		UNV									
TOXAPHENE				.1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238							.4 PCI/L	.2	UJ	.3 PCI/L	.2	R			
URANIUM, TOTAL	97 UG/L		NV				.7 UG/L	.1	-	.7 UG/L	.1	-			
URANIUM-234							.7 PCI/L	.3	J	.7 PCI/L	.2	R			
THORIUM-230							.2 PCI/L	.3	UJ	.2 PCI/L	.2	U			
RADIUM-226							1 PCI/L	.4	UJ	1 PCI/L	.3	UJ			
URANIUM-235/236							.2 PCI/L	.1	UJ	.1 PCI/L	.1	R			
THORIUM-232							.2 PCI/L	.1	U	.2 PCI/L	.1	U			
THORIUM, TOTAL							.9120366 PCI/L	.3	NV						
RADIUM-228							3 PCI/L	1	UJ	3 PCI/L	1.1	U			
THORIUM-228							.3 PCI/L	.5	R	.2 PCI/L	.1	U			
GROSS ALPHA							0 PCI/L	1.5	UNV	0 PCI/L	2.7	UNV			
GROSS BETA							0 PCI/L	1.8	UNV	2 PCI/L	2.7	UNV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				2 UG/L		UNV									
1,2-DICHLOROBENZENE				2 UG/L		UNV									
1,3-DICHLOROBENZENE				2 UG/L		UNV									
1,4-DICHLOROBENZENE				2 UG/L		UNV									
2,4,5-TRICHLOROPHENOL				2 UG/L		UNV									
2,4,6-TRICHLOROPHENOL				2 UG/L		UNV									
2,4-DICHLOROPHENOL				2 UG/L		UNV									
2,4-DIMETHYLPHENOL				2 UG/L		UNV									
2,4-DINITROPHENOL				15 UG/L		UNV									
2,4-DINITROTOLUENE				1 UG/L		UNV									
2,6-DINITROTOLUENE				1 UG/L		UNV									
2-CHLORONAPHTHALENE				2 UG/L		UNV									
2-CHLOROPHENOL				2 UG/L		UNV									
2-METHYLNAPHTHALENE				2 UG/L		UNV									
2-METHYLPHENOL				1 UG/L		UNV									
2-NITROANILINE				1 UG/L		UNV									
2-NITROPHENOL				2 UG/L		UNV									
3-NITROANILINE				2 UG/L		UNV									
4,6-DINITRO-2-METHYLPHENOL				15 UG/L		UNV									
4-BROMOPHENYL PHENYL ETHER				2 UG/L		UNV									
4-CHLORO-3-METHYLPHENOL				2 UG/L		UNV									
4-CHLOROPHENYLPHENYL ETHER				1 UG/L		UNV									

SAMPLE NUMBER:	068224			PRS209502-R2			GW930506-5			GW930506-5			GW930506-5		
LAB:	WEMCO			ENSR			CORE			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-METHYLPHENOL				1 UG/L		UNV									
4-NITROANILINE				3 UG/L		UNV									
4-NITROPHENOL				2 UG/L		UNV									
ACENAPHTHENE				2 UG/L		UNV									
ACENAPHTHYLENE				2 UG/L		UNV									
ANTHRACENE				2 UG/L		UNV									
BENZO(A)ANTHRACENE				2 UG/L		UNV									
BENZO(A)PYRENE				2 UG/L		UNV									
BENZO(B)FLUORANTHENE				2 UG/L		UNV									
BENZO(G,H,I)PERYLENE				4 UG/L		UNV									
BENZO(K)FLUORANTHENE				2 UG/L		UNV									
BENZOIC ACID				20 UG/L		UNV									
BENZYL ALCOHOL				2 UG/L		UNV									
BIS(2-CHLOROETHOXY)METHANE				2 UG/L		UNV									
BIS(2-CHLOROETHYL)ETHER				2 UG/L		UNV									
BIS(2-CHLOROISOPROPYL) ETHER				2 UG/L		UNV									
BIS(2-ETHYLHEXYL)PHTHALATE				1 UG/L		UNV									
BUTYL BENZYL PHTHALATE				4 UG/L		UNV									
CHRYSENE				2 UG/L		UNV									
DI-N-BUTYL PHTHALATE				2 UG/L		UNV									
DI-N-OCTYL PHTHALATE				2 UG/L		UNV									
DIBENZO(A,H)ANTHRACENE				2 UG/L		UNV									
DIBENZOFURAN				1 UG/L		UNV									
DIETHYL PHTHALATE				1 UG/L		UNV									
DIMETHYL PHTHALATE				2 UG/L		UNV									
FLUORANTHENE				2 UG/L		UNV									
FLUORENE				1 UG/L		UNV									
HEXACHLOROBENZENE				2 UG/L		UNV									
HEXACHLOROBUTADIENE				2 UG/L		UNV									
HEXACHLOROCYCLOPENTADIENE				2 UG/L		UNV									
HEXACHLOROETHANE				2 UG/L		UNV									
INDENO(1,2,3-CD)PYRENE				4 UG/L		UNV									
ISOPHORONE				2 UG/L		UNV									
N-NITROSO-DI-N-PROPYLAMINE				2 UG/L		UNV									
N-NITROSODIPHENYLAMINE				2 UG/L		UNV									
NAPHTHALENE				2 UG/L		UNV									
NITROBENZENE				2 UG/L		UNV									
P-CHLOROANILINE				2 UG/L		UNV									
PENTACHLOROPHENOL				2 UG/L		UNV									
PHENANTHRENE				1 UG/L		UNV									
PHENOL				2 UG/L		UNV									

SAMPLE NUMBER:	068224			PRS209502-R2			GW930506-5			GW930506-5			GW930506-5		
LAB:	WEMCO			ENSR			CORE			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PYRENE				2 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				.7 UG/L		NV									
1,1,2,2-TETRACHLOROETHANE				2 UG/L		UNV									
1,1,2-TRICHLOROETHANE				2 UG/L		UNV									
1,1-DICHLOROETHANE				2 UG/L		UNV									
1,1-DICHLOROETHENE				2 UG/L		UNV									
1,2-DICHLOROETHANE				2 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				2 UG/L		UNV									
1,2-DICHLOROPROPANE				2 UG/L		UNV									
2-BUTANONE				5 UG/L		UNV									
2-HEXANONE				5 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				5 UG/L		UNV									
BENZENE				2 UG/L		UNV									
BROMODICHLOROMETHANE				2 UG/L		UNV									
BROMOFORM				2 UG/L		UNV									
BROMOMETHANE				2 UG/L		UNV									
CARBON DISULFIDE				3 UG/L		UNV									
CARBON TETRACHLORIDE				2 UG/L		UNV									
CHLOROBENZENE				2 UG/L		UNV									
CHLOROETHANE				2 UG/L		UNV									
CHLOROFORM				2 UG/L		UNV									
CHLOROMETHANE				2 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				2 UG/L		UNV									
DIBROMOCHLOROMETHANE				2 UG/L		UNV									
ETHYLBENZENE				2 UG/L		UNV									
METHYLENE CHLORIDE				4 UG/L		NV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				2 UG/L		UNV									
TOLUENE				2 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				2 UG/L		UNV									
VINYL ACETATE				5 UG/L		UNV									
VINYL CHLORIDE				2 UG/L		UNV									
XYLENES, TOTAL				5 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930506-5	GW930506-5	GW930506-5	003790	003790
TASK:	50.03.23	50.03.23	50.03.23	3.2.4	3.2.4
LAB:	DATACHEM	FERMCO	FERMCO	IT	IT
WELL OR BORING NUMBER:	2096	2096	2096	2096	2096
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-MAY-93	06-MAY-93	06-MAY-93	07-DEC-88	07-DEC-88
NORTH COORDINATE:	476531.14	476531.14	476531.14	476531.14	476531.14
EAST COORDINATE:	1377204.11	1377204.11	1377204.11	1377204.11	1377204.11
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	300 MG/L		-												
AMMONIA	.06 MG/L		-										.1 MG/L		UJ
BICARBONATE ALKALINITY	380 MG/L		-												
CARBONATE ALKALINITY	3 MG/L		U												
CHLORIDE	4.7 MG/L		-										1.5 MG/L		-
FLUORIDE	.2 MG/L		-										.175 MG/L		-
NITRATE	.05 MG/L		U										.014 MG/L		J
NITRATE/NITRITE	.05 MG/L		U												
PH	7.1 SU		-										.026 MG/L		-
PHENOLS	.01 MG/L		U										.026 MG/L		-
PHOSPHORUS	.09 MG/L		-										1.74 MG/L		-
SPECIFIC CONDUCTIVITY	900 UMHOS/CM		-												
SULFATE	200 MG/L		-										76.3 MG/L		-
TOTAL KJELDAHL NITROGEN	.2 MG/L		-										.77 MG/L		J
TOTAL ORGANIC CARBON	1 MG/L		U												
TOTAL ORGANIC HALIDES	.01 MG/L		U										.05 MG/L		U
TOTAL ORGANIC NITROGEN													.77 MG/L		J
TOTAL SOLIDS	650 MG/L		-												
INORGANICS															
ALUMINUM	.014 MG/L		U												
ANTIMONY	.045 MG/L		U												
ARSENIC	.001 MG/L		U							.002 MG/L		U			
BARIUM	.0737 MG/L		U							.072 MG/L		-			
BERYLLIUM	.001 MG/L		U												
CADMIUM	.0033 MG/L		U							.002 MG/L		U			

SAMPLE NUMBER:	GW930506-5			GW930506-5			GW930506-5			003790			003790		
LAB:	DATACHEM			FERMCO			FERMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	152 MG/L		-							120 MG/L		-			
CHROMIUM	.004 MG/L		U							.02 MG/L		U			
COBALT	.006 MG/L		U												
COPPER	.0058 MG/L		U							.01 MG/L		U			
CYANIDE	.01 MG/L		U												
IRON	5.48 MG/L		-							2.65 MG/L		-			
LEAD	.001 MG/L		UJ							.002 MG/L		UJ			
MAGNESIUM	31.3 MG/L		J							27.3 MG/L		-			
MANGANESE	.624 MG/L		-							.424 MG/L		-			
MERCURY	.0002 MG/L		U							.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL	.019 MG/L		U							.02 MG/L		U			
POTASSIUM	2.09 MG/L		U							1.62 MG/L		-			
SELENIUM	.001 MG/L		UJ							.002 MG/L		UJ			
SILVER	.003 MG/L		UJ							.0005 MG/L		UJ			
SODIUM	6.14 MG/L		-							6.34 MG/L		-			
THALLIUM	.001 MG/L		UJ												
VANADIUM	.004 MG/L		U												
ZINC	.0229 MG/L		UJ												
RADIONUCLIDES															
URANIUM-238													1 PCI/L		U
URANIUM, TOTAL				.5 UG/L		UNV	.8 UG/L		UNV				1 UG/L		U
URANIUM-234													1 PCI/L		U
THORIUM-230													1 PCI/L		U
RADIUM-226													1 PCI/L		U
URANIUM-235/236													1 PCI/L		U
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													3 UG/L		U
RADIUM-228													3 PCI/L		U
THORIUM-228													1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
VOLATILES															

1,1,1-TRICHLOROETHANE	10 UG/L	U

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	GW930506-5	GW930506-5	GW930506-5	003790	003790
LAB:	DATACHEM	FERMCO	FERMCO	IT	IT
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		UJ												
ACETONE	10 UG/L		UJ												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		UJ												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003985	003985	EMGW_SYSGEN_703	EMGW_SYSGEN_703	EMGW_SYSGEN_703
TASK:	3.2.4	3.2.4	GWMON	GWMON	GWMON
LAB:	IT	IT	NET	NET	WMCO
WELL OR BORING NUMBER:	2096	2096	2096	2096	2096
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-FEB-89	09-FEB-89	12-NOV-91	12-NOV-91	12-NOV-91
NORTH COORDINATE:	476531.14	476531.14	476531.14	476531.14	476531.14
EAST COORDINATE:	1377204.11	1377204.11	1377204.11	1377204.11	1377204.11
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										306 MG/L		NV			
AMMONIA				.1 MG/L		UJ									
BICARBONATE										305 MG/L		NV			
CARBONATE ALKALINITY										1 MG/L		NV			
CHLORIDE				.75 MG/L		U				7 MG/L		NV			
FLUORIDE				.19 MG/L		-									
NITRATE				.23 MG/L		J				.02 MG/L		UNV			
NITRATE, AS NITROGEN										.02 MG/L		UNV			
PH				.01 MG/L		UJ				7.03 SU		NV			
PHENOLS				.01 MG/L		UJ									
PHOSPHORUS				.27 MG/L		J									
SPECIFIC CONDUCTIVITY										907 UMHOS/CM		NV			
SULFATE				92.8 MG/L		-				247 MG/L		NV			
TOTAL DISSOLVED SOLIDS										640 MG/L		NV			
TOTAL KJELDAHL NITROGEN				.163 MG/L		J									
TOTAL ORGANIC CARBON										14 MG/L		NV			
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN				.163 MG/L		J									
INORGANICS															
ALUMINUM							.2 MG/L		UNV						
ANTIMONY							.02 MG/L		UNV						
ARSENIC	.002 MG/L		U				.005 MG/L		UNV						
BARIUM	.051 MG/L		-				.2 MG/L		UNV						
BERYLLIUM							.005 MG/L		UNV						

SAMPLE NUMBER:	003985			003985			EMGW_SYSGEN_703			EMGW_SYSGEN_703			EMGW_SYSGEN_703		
LAB:	IT			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM	.006 MG/L		U				.001 MG/L		UNV						
CALCIUM	102 MG/L		-				149 MG/L		NV						
CHROMIUM	.026 MG/L		-							.002 MG/L		UNV			
COBALT							.005 MG/L		UNV						
COPPER	.011 MG/L		-				.02 MG/L		UNV						
IRON	2.38 MG/L		-				3.42 MG/L		NV						
LEAD	.002 MG/L		UJ				.003 MG/L		UNV						
MAGNESIUM	27.1 MG/L		-				34.1 MG/L		NV						
MANGANESE	.218 MG/L		-				.561 MG/L		NV						
MERCURY	.0002 MG/L		J				.0002 MG/L		UNV						
MOLYBDENUM	.004 MG/L		-				.01 MG/L		UNV						
NICKEL	.012 MG/L		-				.01 MG/L		UNV						
POTASSIUM	1.31 MG/L		-				1.7 MG/L		NV						
SELENIUM	.002 MG/L		U				.005 MG/L		UNV						
SILVER	.0005 MG/L		UJ				.001 MG/L		UNV						
SODIUM	4.28 MG/L		-				5.9 MG/L		NV						
THALLIUM							.01 MG/L		UNV						
VANADIUM							.05 MG/L		UNV						
ZINC							.02 MG/L		UNV						
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U									
URANIUM, TOTAL				.4 UG/L	.1	-							.9 UG/L		NV
URANIUM-234				1 PCI/L		U									
THORIUM-230				1 PCI/L		U									
RADIUM-226				1 PCI/L		U									
URANIUM-235/236				1 PCI/L		U									
THORIUM-232				1 PCI/L		U									
THORIUM, TOTAL				2 UG/L		U									
RADIUM-228				3 PCI/L		UJ									
THORIUM-228				1 PCI/L		U									
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									
RUTHENIUM-106				150 PCI/L		R									

SAMPLE NUMBER:	003985			003985			EMGW_SYSGEN_703			EMGW_SYSGEN_703			EMGW_SYSGEN_703		
LAB:	IT			IT			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137				20 PCI/L		R									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003586	003586	004234	004234	004081
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2096	2096	2096	2096	2096
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-SEP-88	12-SEP-88	25-APR-90	25-APR-90	30-APR-89
NORTH COORDINATE:	476531.14	476531.14	476531.14	476531.14	476531.14
EAST COORDINATE:	1377204.11	1377204.11	1377204.11	1377204.11	1377204.11
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	F-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.1 MG/L		-			
CHLORIDE				2.5 MG/L		-				4.1 MG/L		J			
FLUORIDE				.27 MG/L		-				.2 MG/L		-			
NITRATE				.1 MG/L		R				.02 MG/L		R			
PHENOLS				.02 MG/L		-				.078 MG/L		-			
PHOSPHORUS				.095 MG/L		-				.03 MG/L		-			
SULFATE				154 MG/L		-				258 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC NITROGEN				.22 MG/L		-				.2 MG/L		-			
INORGANICS															
ALUMINUM							.083 MG/L		-						
ARSENIC	.005 MG/L		UJ				.002 MG/L		U				.002 MG/L		U
BARIUM	.08 MG/L		-				.072 MG/L		-				.105 MG/L		-
CADMIUM	.002 MG/L		U				.004 MG/L		U				.0055 MG/L		-
CALCIUM	120 MG/L		-				153 MG/L		-				181 MG/L		-
CHROMIUM	.02 MG/L		U				.016 MG/L		-				.0207 MG/L		U
COPPER	.01 MG/L		U				.014 MG/L		U				.013 MG/L		-
IRON	2.6 MG/L		-				3.55 MG/L		-				1.46 MG/L		-
LEAD	.135 MG/L		R				.002 MG/L		U				.0052 MG/L		R
MAGNESIUM	28.5 MG/L		-				35.1 MG/L		-				42.4 MG/L		-
MANGANESE	.6 MG/L		-				.409 MG/L		-				.665 MG/L		-
MERCURY	.0002 MG/L		UJ				.0002 MG/L		U				.0003 MG/L		-
MOLYBDENUM	.02 MG/L		U				.01 MG/L		-				.01 MG/L		U

SAMPLE NUMBER:	003586			003586			004234			004234			004081		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.02 MG/L		U				.02 MG/L		U				.02 MG/L		U
POTASSIUM	1.65 MG/L		-				1.72 MG/L		-				1.69 MG/L		-
SELENIUM	.002 MG/L		UJ				.003 MG/L		U				.002 MG/L		R
SILICON							3.3 MG/L		-						
SILVER	.01 MG/L		U				.01 MG/L		U				.0005 MG/L		U
SODIUM	6.1 MG/L		-				6.75 MG/L		-				7.88 MG/L		-
VANADIUM							.014 MG/L		-						
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		U			
URANIUM, TOTAL				1 UG/L	1	J				1 UG/L		U			
URANIUM-234				1 PCI/L		U				1 PCI/L		U			
THORIUM-230				1 PCI/L		U				1 PCI/L		U			
RADIUM-226				1 PCI/L		R				1 PCI/L		R			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL				6 UG/L		U				2.8 UG/L		UJ			
RADIUM-228				3 PCI/L		R				3 PCI/L		UJ			
THORIUM-228				1 PCI/L		U				1 PCI/L		U			
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		R				30 PCI/L		UJ			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		UJ			
CESIUM-137				20 PCI/L		R				20 PCI/L		UJ			

SAMPLE NUMBER:	004081	EMGW_SYSGEN_708	EMGW_SYSGEN_708	EMGW_SYSGEN_708	EMGW_SYSGEN_708D
TASK:	3.2.4	GWMON	GWMON	GWMON	GWMON
LAB:	IT	NET	NET	WMCO	WMCO
WELL OR BORING NUMBER:	2096	2097	2097	2097	2097
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-APR-89	06-NOV-91	06-NOV-91	06-NOV-91	06-NOV-91
NORTH COORDINATE:	476531.14	480283.63	480283.63	480283.63	480283.63
EAST COORDINATE:	1377204.11	1386936	1386936	1386936	1386936
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					EMGW_SYSGEN_708
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							225 MG/L		NV						
AMMONIA	.1 MG/L		U												
BICARBONATE							224 MG/L		NV						
CARBONATE ALKALINITY							1 MG/L		NV						
CHLORIDE	7.5 MG/L		-				21 MG/L		NV						
FLUORIDE	.3 MG/L		-												
NITRATE	.1 MG/L		R				.65 MG/L		NV						
NITRATE, AS NITROGEN							.65 MG/L		NV						
PH	.022 MG/L		-				7.33 SU		NV						
PHENOLS	.022 MG/L		-												
PHOSPHORUS	1.62 MG/L		-												
SPECIFIC CONDUCTIVITY							656 UMHOS/CM		NV						
SULFATE	321 MG/L		J				107 MG/L		NV						
TOTAL DISSOLVED SOLIDS							463 MG/L		NV						
TOTAL KJELDAHL NITROGEN	.676 MG/L		-												
TOTAL ORGANIC CARBON							9 MG/L		NV						
TOTAL ORGANIC HALIDES	.01 MG/L		U												
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN	.676 MG/L		J												
INORGANICS															
ALUMINUM				.2 MG/L		UNV									
ANTIMONY				.02 MG/L		UNV									
ARSENIC				.005 MG/L		UNV									
BARIUM				.2 MG/L		UNV									
BERYLLIUM				.005 MG/L		UNV									

SAMPLE NUMBER:	004081			EMGW_SYSGEN_708			EMGW_SYSGEN_708			EMGW_SYSGEN_708			EMGW_SYSGEN_708D		
LAB:	IT			NET			NET			WMCO			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM				.001 MG/L		UNV									
CALCIUM				72.2 MG/L		NV									
CHROMIUM							.002 MG/L		UNV						
COBALT				.005 MG/L		UNV									
COPPER				.02 MG/L		UNV									
IRON				.1 MG/L		UNV									
LEAD				.003 MG/L		UNV									
MAGNESIUM				26.7 MG/L		NV									
MANGANESE				.015 MG/L		UNV									
MERCURY				.0002 MG/L		UNV									
MOLYBDENUM				.01 MG/L		UNV									
NICKEL				.01 MG/L		UNV									
POTASSIUM				1.9 MG/L		NV									
SELENIUM				.005 MG/L		UNV									
SILVER				.001 MG/L		UNV									
SODIUM				8.1 MG/L		NV									
THALLIUM				.01 MG/L		UNV									
VANADIUM				.05 MG/L		UNV									
ZINC				.061 MG/L		NV									
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U												
URANIUM, TOTAL	1.4 UG/L	.3	-							.5 UG/L		NV	.4 UG/L		NV
URANIUM-234	1 PCI/L		U												
THORIUM-230	1 PCI/L		U												
RADIUM-226	1 PCI/L		U												
URANIUM-235/236	1 PCI/L		U												
THORIUM-232	1 PCI/L		U												
THORIUM, TOTAL	6 UG/L		UJ												
RADIUM-228	3 PCI/L		UJ												
THORIUM-228	1 PCI/L		U												
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		U												
PLUTONIUM-238	1 PCI/L		U												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U												
RUTHENIUM-106	150 PCI/L		R												

SAMPLE NUMBER:	004081			EMGW_SYSGEN_708			EMGW_SYSGEN_708			EMGW_SYSGEN_708			EMGW_SYSGEN_708D		
LAB:	IT			NET			NET			WMCO			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137	20 PCI/L		R												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004084			004084			004135			004135			EMGW_SYSGEN_707		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			GWMON		
LAB:	IT			IT			IT			IT			NET		
WELL OR BORING NUMBER:	2097			2097			2097			2097			2097		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	08-MAY-89			08-MAY-89			08-MAY-89			08-MAY-89			08-OCT-90		
NORTH COORDINATE:	480283.63			480283.63			480283.63			480283.63			480283.63		
EAST COORDINATE:	1386936			1386936			1386936			1386936			1386936		
QA TYPE:	NORMAL			NORMAL			DUPLICATE			DUPLICATE			NORMAL		
QC OF:							004084			004084					
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													256 MG/L		NV
AMMONIA				.1 MG/L		U				.1 MG/L		U	.08 MG/L		NV
CHLORIDE				121 MG/L		-				121 MG/L		-	38 MG/L		NV
FLUORIDE				.14 MG/L		-				.14 MG/L		-	.19 MG/L		NV
NITRATE				10.1 MG/L		J				10 MG/L		J	2.34 MG/L		NV
NITRATE/NITRITE													2.34 MG/L		NV
PH				.01 MG/L		U				.01 MG/L		U	7.08 SU		NV
PHENOLS				.01 MG/L		U				.01 MG/L		U	.005 MG/L		UNV
PHOSPHORUS				.275 MG/L		-				.653 MG/L		-	.57 MG/L		NV
SPECIFIC CONDUCTIVITY													720 UMHOS/CM		NV
SULFATE				60.8 MG/L		-				68.7 MG/L		-	86 MG/L		NV
SULFIDE				36.2 MG/L		J				32.8 MG/L		J			
TOTAL DISSOLVED SOLIDS													415 MG/L		NV
TOTAL KJELDAHL NITROGEN				.418 MG/L		J				.766 MG/L		-			
TOTAL ORGANIC CARBON				1 MG/L		UJ				1 MG/L		UJ	2 MG/L		NV
TOTAL ORGANIC HALIDES				.0394 MG/L		J				.0457 MG/L		J			
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN				.418 MG/L		J				.766 MG/L		J			
INORGANICS															
ALUMINUM	.0922 MG/L		-				.0942 MG/L		-						
ARSENIC	.002 MG/L		U				.002 MG/L		U						
BARIUM	.0783 MG/L		-				.0819 MG/L		-						
CADMIUM	.0041 MG/L		-				.0035 MG/L		-						
CALCIUM	124 MG/L		-				128 MG/L		-						
CHROMIUM	.0125 MG/L		-				.0131 MG/L		-						

SAMPLE NUMBER:	004084			004084			004135			004135			EMGW_SYSGEN_707		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER	.0135 MG/L		-				.0145 MG/L		-						
CYANIDE													.005 MG/L		UNV
IRON	.0316 MG/L		-				.0293 MG/L		-						
LEAD	.002 MG/L		U				.002 MG/L		U						
MAGNESIUM	28.1 MG/L		-				29.1 MG/L		-						
MANGANESE	.0078 MG/L		-				.0074 MG/L		-						
MERCURY	.0003 MG/L		J				.0003 MG/L		J						
MOLYBDENUM	.01 MG/L		U				.01 MG/L		U						
NICKEL	.02 MG/L		U				.02 MG/L		U						
POTASSIUM	1.61 MG/L		-				1.7 MG/L		-						
SELENIUM	.002 MG/L		U				.002 MG/L		U						
SILICON	4 MG/L		-				63.4 MG/L		-						
SILVER	.021 MG/L		-				.0196 MG/L		-						
SODIUM	61.2 MG/L		-				4.14 MG/L		-						
VANADIUM	.01 MG/L		U				.01 MG/L		U						
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		U			
URANIUM, TOTAL				.9 UG/L	.2	-				.8 UG/L	.1	-			
URANIUM-234				1 PCI/L		U				1 PCI/L		U			
THORIUM-230				1 PCI/L	.3	-				1 PCI/L		U			
RADIUM-226				1 PCI/L		U				1 PCI/L		U			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL				3 UG/L		U				3 UG/L		U			
RADIUM-228				3 PCI/L		UJ				3 PCI/L		UJ			
THORIUM-228				1 PCI/L		U				1 PCI/L		U			
NEPTUNIUM-237				1 PCI/L		UJ				1 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				35.9 PCI/L		R				37.6 PCI/L		R			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			
SEMIVOLATILES															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004084			004084			004135			004135			EMGW_SYSGEN_707		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_707D	GW930809-1	GW930809-1	GW930809-1	003556
TASK:	GWMON	50.03.22	50.03.22	50.03.22	3.2.4
LAB:	NET	CORE	NET	NET	IT
WELL OR BORING NUMBER:	2097	2097	2097	2097	2097
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-OCT-90	09-AUG-93	09-AUG-93	09-AUG-93	09-FEB-89
NORTH COORDINATE:	480283.63	480283.63	480283.63	480283.63	480283.63
EAST COORDINATE:	1386936	1386936	1386936	1386936	1386936
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:	EMGW_SYSGEN_707				003986
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	248 MG/L		NV							298 MG/L		-			
AMMONIA	.07 MG/L		NV												
BICARBONATE ALKALINITY										397 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE	37 MG/L		NV												
FLUORIDE	.16 MG/L		NV												
NITRATE/NITRITE	2.25 MG/L		NV												
PH	7.17 SU		NV							6.89 SU		-			
PHENOLS	.005 MG/L		UNV												
PHOSPHORUS	.63 MG/L		NV												
SPECIFIC CONDUCTIVITY	719 UMHOS/CM		NV							705 UMHOS/CM		-			
SULFATE	89 MG/L		NV												
TOTAL DISSOLVED SOLIDS	415 MG/L		NV				519 MG/L		-						
TOTAL ORGANIC CARBON	2 MG/L		NV												
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL SOLIDS										736 MG/L		-			
INORGANICS															
ARSENIC													.002 MG/L		U
BARIUM													.06 MG/L		-
CADMIUM													.006 MG/L		U
CALCIUM													111 MG/L		-
CHROMIUM													.03 MG/L		-
COPPER													.014 MG/L		-
CYANIDE	.005 MG/L		UNV												
IRON													.069 MG/L		

SAMPLE NUMBER:	EMGW_SYSGEN_707D			GW930809-1			GW930809-1			GW930809-1			003556		
LAB:	NET			CORE			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD													.007 MG/L		J
MAGNESIUM													34.8 MG/L		-
MANGANESE													.008 MG/L		-
MERCURY													.0002 MG/L		J
MOLYBDENUM													.004 MG/L		-
NICKEL													.019 MG/L		-
POTASSIUM													2.25 MG/L		-
SELENIUM													.002 MG/L		U
SILVER													.0005 MG/L		UJ
SODIUM													22.2 MG/L		-
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM, TOTAL				.7 UG/L	.1	-									
RADIUM-226				1 PCI/L	.3	UJ									
RADIUM-228				3 PCI/L	1.2	UJ									
GROSS ALPHA				3.4 PCI/L	1.7	UNV									
GROSS BETA				3.6 PCI/L	2.3	NV									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_707D			GW930809-1			GW930809-1			GW930809-1			003556		
LAB:	NET			CORE			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003556	003986	003986	003792	003792
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2097	2097	2097	2097	2097
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-FEB-89	09-FEB-89	09-FEB-89	14-DEC-88	14-DEC-88
NORTH COORDINATE:	480283.63	480283.63	480283.63	480283.63	480283.63
EAST COORDINATE:	1386936	1386936	1386936	1386936	1386936
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	003986				
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UJ				.1 MG/L		UJ				.1 MG/L		U
CHLORIDE	50 MG/L		-				52 MG/L		-				9 MG/L		J
FLUORIDE	.29 MG/L		-				.22 MG/L		-				.32 MG/L		J
NITRATE	.93 MG/L		J				1.68 MG/L		J				.207 MG/L		J
PHENOLS	.01 MG/L		UJ				.01 MG/L		UJ				.01 MG/L		U
PHOSPHORUS	1.21 MG/L		J				1.32 MG/L		J				1.25 MG/L		J
SULFATE	224 MG/L		-				269 MG/L		-				122 MG/L		J
TOTAL KJELDAHL NITROGEN	.651 MG/L		J				.782 MG/L		J				.65 MG/L		J
TOTAL ORGANIC HALIDES	.013 MG/L		-				.014 MG/L		J				.018 MG/L		J
TOTAL ORGANIC NITROGEN	.651 MG/L		J				.782 MG/L		J				.65 MG/L		J
INORGANICS															
ARSENIC				.002 MG/L		U				.002 MG/L		UJ			
BARIUM				.061 MG/L		-				.047 MG/L		J			
CADMIUM				.006 MG/L		U				.002 MG/L		U			
CALCIUM				110 MG/L		-				92.2 MG/L		J			
CHROMIUM				.027 MG/L		-				.02 MG/L		U			
COPPER				.011 MG/L		-				.01 MG/L		U			
IRON				.074 MG/L		-				.005 MG/L		U			
LEAD				.002 MG/L		UJ				.002 MG/L		UJ			
MAGNESIUM				35.1 MG/L		-				30 MG/L		J			
MANGANESE				.006 MG/L		-				.007 MG/L		J			
MERCURY				.0002 MG/L		UJ				.0002 MG/L		U			
MOLYBDENUM				.003 MG/L		-				.051 MG/L		UJ			
NICKEL				.019 MG/L		-				.02 MG/L		U			
POTASSIUM				2.14 MG/L		-				1.87 MG/L		J			

SAMPLE NUMBER:	003556			003986			003986			003792			003792		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.002 MG/L		U				.002 MG/L		UJ			
SILVER				.0005 MG/L		UJ				.01 MG/L		U			
SODIUM				22.3 MG/L		-				11.81 MG/L		J			
RADIONUCLIDES															
URANIUM-238	1.5 PCI/L	.4	-				1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL	2.2 UG/L	.5	J				1.2 UG/L	.2	J				.8 UG/L	.1	R
URANIUM-234	1.4 PCI/L	.4	-				1 PCI/L		U				1 PCI/L		U
THORIUM-230	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
RADIUM-226	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM-232	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL	2 UG/L		U				7 UG/L		U				7 UG/L		U
RADIUM-228	3.3 PCI/L		UJ				3 PCI/L		UJ				3 PCI/L		U
THORIUM-228	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U				1 PCI/L		R
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		R
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	30.9 PCI/L		U				30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R				150 PCI/L		R
CESIUM-137	20 PCI/L		R				20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930519-8	GW930519-8	GW930519-8	GW930519-8	GW930519-8
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	CORE	FERMCO	FERMCO	NET
WELL OR BORING NUMBER:	2097	2097	2097	2097	2097
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-MAY-93	19-MAY-93	19-MAY-93	19-MAY-93	19-MAY-93
NORTH COORDINATE:	480283.63	480283.63	480283.63	480283.63	480283.63
EAST COORDINATE:	1386936	1386936	1386936	1386936	1386936
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
TOTAL DISSOLVED SOLIDS													514 MG/L		-
INORGANICS															
ALUMINUM													.02 MG/L		U
ANTIMONY													.045 MG/L		U
ARSENIC													.002 MG/L		U
BARIUM													.0534 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM													.003 MG/L		U
CALCIUM													110 MG/L		-
CHROMIUM													.005 MG/L		U
COBALT													.008 MG/L		U
COPPER													.006 MG/L		U
CYANIDE													.01 MG/L		U
IRON													.0184 MG/L		U
LEAD													.001 MG/L		UJ
MAGNESIUM													27.7 MG/L		-
MANGANESE													.0011 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL													.02 MG/L		U
POTASSIUM													1.82 MG/L		-
SELENIUM													.002 MG/L		UJ
SILVER													.007 MG/L		U
SODIUM													22.9 MG/L		-
THALLIUM													.002 MG/L		U
VANADIUM													.003 MG/L		U

SAMPLE NUMBER:	GW930519-8			GW930519-8			GW930519-8			GW930519-8			GW930519-8		
LAB:	CORE			CORE			FERMCO			FERMCO			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ZINC													.0077 MG/L		U
RADIONUCLIDES															
URANIUM-238	1 PCI/L	.4	J	.4 PCI/L	.2	UJ									
URANIUM, TOTAL	.8 UG/L	.1	-	.8 UG/L	.1	-	.7 UG/L		NV	.5 UG/L		NV			
URANIUM-234	1 PCI/L	.4	J	.4 PCI/L	.3	J									
THORIUM-230	.2 PCI/L	.3	UJ	.3 PCI/L	.1	UJ									
RADIUM-226	1 PCI/L	.5	U	1 PCI/L	.3	UJ									
URANIUM-235/236	.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ									
THORIUM-232	.2 PCI/L	.3	UJ	.2 PCI/L	.1	U									
RADIUM-228	3 PCI/L	.9	U	3 PCI/L	1.1	U									
THORIUM-228	.2 PCI/L	.2	UJ	.2 PCI/L	.1	U									
GROSS ALPHA	17.2 PCI/L	2.4	NV	4.2 PCI/L	2.2	UNV									
GROSS BETA	3.2 PCI/L	1.8	UNV	3.7 PCI/L	2.2	UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930519-8	003588	003588	EMGW_SYSGEN_706	EMGW_SYSGEN_715
TASK:	50.03.23	3.2.4	3.2.4	GWMON	GWMON
LAB:	NET	IT	IT	IT	NET
WELL OR BORING NUMBER:	2097	2097	2097	2097	2098
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-MAY-93	20-SEP-88	20-SEP-88	24-APR-90	05-NOV-91
NORTH COORDINATE:	480283.63	480283.63	480283.63	480283.63	483385.79
EAST COORDINATE:	1386936	1386936	1386936	1386936	1386326.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	324 MG/L		-												
AMMONIA	.02 MG/L		-				.1 MG/L		U						
BICARBONATE ALKALINITY	390 MG/L		-												
CARBONATE ALKALINITY	3 MG/L		U												
CHLORIDE	44 MG/L		-				32.5 MG/L		-						
FLUORIDE	.2 MG/L		-				.25 MG/L		-						
NITRATE	25.2 MG/L		-				.42 MG/L		R						
NITRATE/NITRITE	25.2 MG/L		-												
PH	7.26 SU		-				.01 MG/L		J						
PHENOLS	.01 MG/L		UJ				.01 MG/L		J						
PHOSPHORUS	.306 MG/L		U				.045 MG/L		-						
SPECIFIC CONDUCTIVITY	770 UMHOS/CM		-												
SULFATE	81 MG/L		-				120 MG/L		-						
TOTAL KJELDAHL NITROGEN	.18 MG/L		-												
TOTAL ORGANIC CARBON	1 MG/L		U												
TOTAL ORGANIC HALIDES	.01 MG/L		U				.05 MG/L		U						
TOTAL ORGANIC NITROGEN	.16 MG/L		-				.1 MG/L		UJ						
TOTAL SOLIDS	520 MG/L		-												
INORGANICS															
ALUMINUM	.0321 MG/L		-										.2 MG/L		UNV
ANTIMONY	.045 MG/L		UJ										.02 MG/L		UNV
ARSENIC	.002 MG/L		UJ	.002 MG/L		U							.0057 MG/L		NV
BARIUM	.0566 MG/L		-	.05 MG/L		-							.2 MG/L		UNV
BERYLLIUM	.001 MG/L		U										.005 MG/L		UNV
CADMIUM	.003 MG/L		U	.002 MG/L		U							.001 MG/L		UNV

SAMPLE NUMBER:	GW930519-8			003588			003588			EMGW_SYSGEN_706			EMGW_SYSGEN_715		
LAB:	NET			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	104 MG/L		-	92.4 MG/L		-							88.9 MG/L		NV
CHROMIUM	.005 MG/L		U	.02 MG/L		U									
COBALT	.008 MG/L		U										.005 MG/L		UNV
COPPER	.0059 MG/L		U	.01 MG/L		U							.02 MG/L		UNV
CYANIDE	.01 MG/L		U												
IRON	.071 MG/L		UJ	.01 MG/L		U							.1 MG/L		UNV
LEAD	.002 MG/L		-	.002 MG/L		UJ							.003 MG/L		UNV
MAGNESIUM	28.3 MG/L		-	28.7 MG/L		-							26.5 MG/L		NV
MANGANESE	.0034 MG/L		J	.008 MG/L		-							.015 MG/L		UNV
MERCURY	.0002 MG/L		U	.0002 MG/L		U							.0002 MG/L		UNV
MOLYBDENUM				.02 MG/L		U							.01 MG/L		UNV
NICKEL	.02 MG/L		U	.02 MG/L		U							.01 MG/L		UNV
POTASSIUM	1.78 MG/L		U	1.98 MG/L		-							1.7 MG/L		NV
SELENIUM	.0022 MG/L		UJ	.002 MG/L		UJ							.005 MG/L		UNV
SILVER	.007 MG/L		U	.01 MG/L		U							.001 MG/L		UNV
SODIUM	25 MG/L		-	11.4 MG/L		-							7.1 MG/L		NV
THALLIUM	.002 MG/L		U										.01 MG/L		UNV
VANADIUM	.003 MG/L		U										.05 MG/L		UNV
ZINC	.0077 MG/L		U										.033 MG/L		NV
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U	.615 PCI/L		NV			
URANIUM, TOTAL							1 UG/L	1	-	2.42 UG/L		NV			
URANIUM-234							1 PCI/L		U	.724 PCI/L		NV			
THORIUM-230							1 PCI/L		UJ	.8 PCI/L		UNV			
RADIUM-226							1 PCI/L		U	1.24 PCI/L		NV			
URANIUM-235/236							1 PCI/L		U	.24 PCI/L		UNV			
THORIUM-232							1 PCI/L		UJ	.8 PCI/L		UNV			
THORIUM, TOTAL							3 UG/L		UJ	7.3 UG/L		UNV			
RADIUM-228							3 PCI/L		U	3.76 PCI/L		NV			
THORIUM-228							1 PCI/L		UJ	.2 PCI/L		UNV			
NEPTUNIUM-237							1 PCI/L		UJ						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
VOLATILES															

SAMPLE NUMBER:	GW930519-8			003588			003588			EMGW_SYSGEN_706			EMGW_SYSGEN_715		
LAB:	NET			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE	10 UG/L		UJ												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		UJ												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_715	EMGW_SYSGEN_715	EMGW_SYSGEN_714	003990	003990
TASK:	GWMON	GWMON	GWMON	3.2.4	3.2.4
LAB:	NET	WMCO	WMCO	IT	IT
WELL OR BORING NUMBER:	2098	2098	2098	2098	2098
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-NOV-91	05-NOV-91	06-MAY-91	08-FEB-89	08-FEB-89
NORTH COORDINATE:	483385.79	483385.79	483385.79	483385.79	483385.79
EAST COORDINATE:	1386326.37	1386326.37	1386326.37	1386326.37	1386326.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	316 MG/L		NV												
AMMONIA													.331 MG/L		J
BICARBONATE	315 MG/L		NV												
CARBONATE ALKALINITY	1 MG/L		NV												
CHLORIDE	15 MG/L		NV										33 MG/L		J
FLUORIDE													.17 MG/L		J
NITRATE	3.27 MG/L		NV										1.96 MG/L		J
NITRATE, AS NITROGEN	3.27 MG/L		NV												
PH	7.21 SU		NV										.01 MG/L		UJ
PHENOLS													.01 MG/L		UJ
PHOSPHORUS													.2 MG/L		J
SPECIFIC CONDUCTIVITY	725 UMHOS/CM		NV												
SULFATE	61 MG/L*		NV										81.6 MG/L		J
TOTAL DISSOLVED SOLIDS	978 MG/L		NV												
TOTAL KJELDAHL NITROGEN													.231 MG/L		J
TOTAL ORGANIC CARBON	18 MG/L		NV												
TOTAL ORGANIC HALIDES													.013 MG/L		R
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN													.1 MG/L		UJ
INORGANICS															
ARSENIC										.002 MG/L		UJ			
BARIUM										.052 MG/L		J			
CADMIUM										.006 MG/L		J			
CALCIUM										120 MG/L		J			
CHROMIUM	.002 MG/L		UNV							.03 MG/L		J			

SAMPLE NUMBER:	EMGW_SYSGEN_715			EMGW_SYSGEN_715			EMGW_SYSGEN_714			003990			003990		
LAB:	NET			WMCO			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER										.014 MG/L		J			
IRON										.116 MG/L		J			
LEAD										.002 MG/L		UJ			
MAGNESIUM										34.7 MG/L		J			
MANGANESE										.014 MG/L		J			
MERCURY										.0002 MG/L		UJ			
MOLYBDENUM										.02 MG/L		UJ			
NICKEL										.02 MG/L		UJ			
POTASSIUM										1.84 MG/L		J			
SELENIUM										.005 MG/L		J			
SILVER										.0005 MG/L		UJ			
SODIUM										12.6 MG/L		J			
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238													1 PCI/L		U
URANIUM, TOTAL				2.4 UG/L		NV	3.5 UG/L		NV				1.5 UG/L	.3	-
URANIUM-234													1 PCI/L		U
THORIUM-230													1 PCI/L		U
RADIUM-226													1 PCI/L		U
URANIUM-235/236													1 PCI/L		U
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													3 UG/L		U
RADIUM-228													3 PCI/L		UJ
THORIUM-228													1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												

VOLATILES

1,1,1-TRICHLOROETHANE 1 UG/L UNV

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GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	EMGW_SYSGEN_715			EMGW_SYSGEN_715			EMGW_SYSGEN_714			003990			003990		
LAB:	NET			WMCO			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_713	EMGW_SYSGEN_713	EMGW_SYSGEN_712	003796	003796
TASK:	GWMON	GWMON	GWMON	3.2.4	3.2.4
LAB:	IT	WMCO	NET	IT	IT
WELL OR BORING NUMBER:	2098	2098	2098	2098	2098
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-FEB-91	15-FEB-91	15-OCT-90	16-DEC-88	16-DEC-88
NORTH COORDINATE:	483385.79	483385.79	483385.79	483385.79	483385.79
EAST COORDINATE:	1386326.37	1386326.37	1386326.37	1386326.37	1386326.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							308 MG/L		NV						
AMMONIA							.02 MG/L		UNV				.1 MG/L		U
CHLORIDE							19 MG/L		NV				9 MG/L		J
FLUORIDE							.41 MG/L		NV				.26 MG/L		-
NITRATE							4.18 MG/L		NV				11.1 MG/L		J
NITRATE/NITRITE							4.18 MG/L		NV						
PH							6.96 SU		NV				.01 MG/L		U
PHENOLS							.005 MG/L		UNV				.01 MG/L		U
PHOSPHORUS							.28 MG/L		NV				3.08 MG/L		-
SPECIFIC CONDUCTIVITY							691 UMHOS/CM		NV						
SULFATE							48 MG/L		NV				132 MG/L		J
TOTAL DISSOLVED SOLIDS							473 MG/L		NV						
TOTAL KJELDAHL NITROGEN													.17 MG/L		J
TOTAL ORGANIC CARBON							3 MG/L		NV						
TOTAL ORGANIC HALIDES													.012 MG/L		J
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.17 MG/L		-
INORGANICS															
ARSENIC										.002 MG/L		UJ			
BARIUM										.045 MG/L		-			
CADMIUM										.002 MG/L		U			
CALCIUM										114 MG/L		-			
CHROMIUM										.02 MG/L		U			
COPPER										.01 MG/L		U			
CYANIDE							.005 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_713			EMGW_SYSGEN_713			EMGW_SYSGEN_712			003796			003796		
LAB:	IT			WMCO			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON										.1 MG/L		UJ			
LEAD										.002 MG/L		UJ			
MAGNESIUM										31.7 MG/L		-			
MANGANESE										.009 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.057 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										1.58 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILVER										.0005 MG/L		R			
SODIUM										9.81 MG/L		-			
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	2.77 PCI/L		NV	2.1628 PCI/L		NV							1 PCI/L		U
URANIUM, TOTAL	5.9 UG/L		NV	6.5 UG/L		NV							1.8 UG/L	.3	-
URANIUM-234	2.52 PCI/L		NV	1.2495 PCI/L		NV							1 PCI/L		U
THORIUM-230	1.7 PCI/L		NV										1 PCI/L		U
RADIUM-226	1 PCI/L		UNV										1 PCI/L		U
URANIUM-235/236	.2 PCI/L		UNV										1 PCI/L		U
THORIUM-232	.475 PCI/L		NV										1 PCI/L		U
THORIUM, TOTAL	4.29 UG/L		NV										3 UG/L		U
RADIUM-228	3.7 PCI/L		UNV										3 PCI/L		U
THORIUM-228	.999 PCI/L		NV										1 PCI/L		U
NEPTUNIUM-237	.5 PCI/L		UNV										1 PCI/L		U
PLUTONIUM-239/240	.5 PCI/L		UNV										1 PCI/L		UJ
PLUTONIUM-238	.5 PCI/L		UNV										1 PCI/L		UJ
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99	16 PCI/L		UNV										30 PCI/L		U
RUTHENIUM-106	150 PCI/L		UNV										150 PCI/L		R
CESIUM-137	5.4 PCI/L		UNV										20 PCI/L		R
GROSS ALPHA	18.8 PCI/L		NV												
GROSS BETA	14 PCI/L		UNV												
URANIUM-235	.2 PCI/L		UNV	.0955 PCI/L		NV							1 PCI/L		U
URANIUM-236				.0259 PCI/L		NV									
SEMIVOLATILES															

001224

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_713			EMGW_SYSGEN_713			EMGW_SYSGEN_712			003796			003796		
LAB:	IT			WMCO			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930520-9	GW930520-9	GW930520-9	GW930520-9	GW930520-9
TASK:	RA3 P4/RI	RA3 P4/RI	RA3 P4/RI	RA3 P4/RI	RA3 P4/RI
LAB:	CORE	CORE	FERMCO	FERMCO	LOCKHEED
WELL OR BORING NUMBER:	2098	2098	2098	2098	2098
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-MAY-93	20-MAY-93	20-MAY-93	20-MAY-93	20-MAY-93
NORTH COORDINATE:	483385.79	483385.79	483385.79	483385.79	483385.79
EAST COORDINATE:	1386326.37	1386326.37	1386326.37	1386326.37	1386326.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
TOTAL DISSOLVED SOLIDS													380 MG/L		-
INORGANICS															
ALUMINUM													.024 MG/L		U
ANTIMONY													.027 MG/L		U
ARSENIC													.002 MG/L		U
BARIUM													.0274 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM													.002 MG/L		U
CALCIUM													84.1 MG/L		-
CHROMIUM													.004 MG/L		U
COBALT													.005 MG/L		U
COPPER													.003 MG/L		U
CYANIDE													.02 MG/L		U
IRON													.005 MG/L		U
LEAD													.002 MG/L		UJ
MAGNESIUM													21.9 MG/L		-
MANGANESE													.001 MG/L		U
MERCURY													.0002 MG/L		U
MOLYBDENUM													.011 MG/L		U
NICKEL													.011 MG/L		U
POTASSIUM													1.51 MG/L		-
SELENIUM													.001 MG/L		UJ
SILVER													.004 MG/L		U
SODIUM													17.6 MG/L		-
THALLIUM													.003 MG/L		UJ

SAMPLE NUMBER:	GW930520-9			GW930520-9			GW930520-9			GW930520-9			GW930520-9		
LAB:	CORE			CORE			FERMCO			FERMCO			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
VANADIUM													.004 MG/L		U
ZINC													.003 MG/L		U
RADIONUCLIDES															
URANIUM-238	2 PCI/L	.5	J	1.7 PCI/L	.4	J									
URANIUM, TOTAL	4.6 UG/L	.3	-	5.1 UG/L	.4	-	4.2 UG/L		UNV	4.4 UG/L		UNV			
URANIUM-234	2.2 PCI/L	.5	J	1.7 PCI/L	.4	J									
THORIUM-230	.3 PCI/L	.4	UJ	.2 PCI/L	.1	UJ									
RADIUM-226	1 PCI/L	.6	U	1 PCI/L	.3	UJ									
URANIUM-235/236	.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ									
THORIUM-232	.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ									
RADIUM-228	3 PCI/L	1.1	U	3 PCI/L	1.2	U									
THORIUM-228	.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ									
GROSS ALPHA	2.2 PCI/L	1.6	UNV	3.5 PCI/L	2	NV									
GROSS BETA	2.4 PCI/L	1.5	UNV	5.8 PCI/L	1.6	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930520-9			003591			003591			EMGW_SYSGEN_711			004087		
TASK:	RA3 P4/RI			3.2.4			3.2.4			GWMON			3.2.4		
LAB:	LOCKHEED			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2098			2098			2098			2098			2098		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	20-MAY-93			22-SEP-88			22-SEP-88			25-APR-90			25-MAY-89		
NORTH COORDINATE:	483385.79			483385.79			483385.79			483385.79			483385.79		
EAST COORDINATE:	1386326.37			1386326.37			1386326.37			1386326.37			1386326.37		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	270 MG/L		-												
AMMONIA	.05 MG/L		U				.1 MG/L		UJ						
BICARBONATE ALKALINITY	270 MG/L		-												
CARBONATE ALKALINITY	30 MG/L		U												
CHLORIDE	26 MG/L		-				20.5 MG/L		-						
FLUORIDE	.26 MG/L		-				.28 MG/L		-						
NITRATE	.4 MG/L		-				.1 MG/L		U						
NITRATE/NITRITE	.4 MG/L		-												
PH	7.6 SU		-				.01 MG/L		UJ						
PHENOLS	.15 MG/L		U				.01 MG/L		UJ						
PHOSPHORUS	.19 MG/L		-				.01 MG/L		U						
SPECIFIC CONDUCTIVITY	650 UMHOS/CM		-												
SULFATE	65 MG/L		-				27 MG/L		-						
TOTAL ORGANIC CARBON	1.4 MG/L		-												
TOTAL ORGANIC HALIDES	.045 MG/L		U				.05 MG/L		UJ						
TOTAL ORGANIC NITROGEN	0 MG/L		U				.1 MG/L		UJ						
TOTAL SOLIDS	410 MG/L		-												
INORGANICS															
ALUMINUM	.225 MG/L		-										.0982 MG/L		UJ
ANTIMONY	.027 MG/L		U												
ARSENIC	.0021 MG/L		-	.002 MG/L		UJ							.002 MG/L		UJ
BARIUM	.0368 MG/L		-	.05 MG/L		-							.034 MG/L		UJ
BERYLLIUM	.001 MG/L		U												
CADMIUM	.002 MG/L		U	.002 MG/L		U							.0039 MG/L		UJ
CALCIUM	99.6 MG/L		-	113 MG/L		-							92.6 MG/L		UJ

SAMPLE NUMBER:	GW930520-9			003591			003591			EMGW_SYSGEN_711			004087		
LAB:	LOCKHEED			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM	.0067 MG/L		-	.02 MG/L		U							.0358 MG/L		UJ
COBALT	.005 MG/L		U												
COPPER	.003 MG/L		U	.05 MG/L		-							.011 MG/L		J
CYANIDE	.02 MG/L		U												
IRON	.782 MG/L		-	.4 MG/L		-							.0481 MG/L		UJ
LEAD	.002 MG/L		U	.066 MG/L		R							.002 MG/L		UJ
MAGNESIUM	25.9 MG/L		-	32.4 MG/L		-							25.8 MG/L		J
MANGANESE	.0268 MG/L		-	.02 MG/L		-							.0135 MG/L		J
MERCURY	.0002 MG/L		U	.0002 MG/L		UJ							.0005 MG/L		J
MOLYBDENUM	.011 MG/L		U	.02 MG/L		U							.01 MG/L		UJ
NICKEL	.011 MG/L		U	.02 MG/L		U							.02 MG/L		UJ
POTASSIUM	1.69 MG/L		-	1.62 MG/L		-							1.37 MG/L		J
SELENIUM	.001 MG/L		UJ	.006 MG/L		-							.002 MG/L		UJ
SILICON													3.46 MG/L		J
SILVER	.004 MG/L		U	.01 MG/L		U							.0128 MG/L		J
SODIUM	19.5 MG/L		-	9.4 MG/L		-							17.2 MG/L		J
THALLIUM	.003 MG/L		U												
VANADIUM	.0076 MG/L		-										.0179 MG/L		J
ZINC	.0139 MG/L		U												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U	3.77 PCI/L		NV			
URANIUM, TOTAL							2 UG/L	1	J	8.11 UG/L		NV			
URANIUM-234							1 PCI/L		U	3.31 PCI/L		NV			
THORIUM-230							1 PCI/L		U	2.44 PCI/L		NV			
RADIUM-226							1 PCI/L		U	1.22 PCI/L		NV			
URANIUM-235/236							1 PCI/L		U	.23 PCI/L		UNV			
THORIUM-232							1 PCI/L		U	1 PCI/L		UNV			
THORIUM, TOTAL							2 UG/L		U	9.2 UG/L		UNV			
RADIUM-228							3 PCI/L		U	3 PCI/L		UNV			
THORIUM-228							1 PCI/L		U	1.22 PCI/L		NV			
NEPTUNIUM-237							1 PCI/L		U						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
VOLATILES															

SAMPLE NUMBER:	GW930520-9			003591			003591			EMGW_SYSGEN_711			004087		
LAB:	LOCKHEED			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		UJ												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004087	116970	116970	116970	116970
TASK:	3.2.4	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT	IT	IT/MWL	IT/RSL
WELL OR BORING NUMBER:	2098	21033	21033	21033	21033
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-MAY-89	17-JUN-93	17-JUN-93	17-JUN-93	17-JUN-93
NORTH COORDINATE:	483385.79	477278.1	477278.1	477278.1	477278.1
EAST COORDINATE:	1386326.37	1380181.18	1380181.18	1380181.18	1380181.18
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UJ												
CHLORIDE	24 MG/L		J												
FLUORIDE	.28 MG/L		J												
NITRATE	1.74 MG/L		J												
PHENOLS	.01 MG/L		UJ												
PHOSPHORUS	.479 MG/L		J												
SULFATE	80.9 MG/L		J												
SULFIDE	30.4 MG/L		J												
TOTAL KJELDAHL NITROGEN	.459 MG/L		J												
TOTAL ORGANIC CARBON	1 MG/L		UJ												
TOTAL ORGANIC HALIDES	.01 MG/L		U												
TOTAL ORGANIC NITROGEN	.459 MG/L		J												
INORGANICS															
ALUMINUM				.258 MG/L		U	.35 MG/L		-						
ANTIMONY				.005 MG/L		U	.005 MG/L		U						
ARSENIC				.002 MG/L		UJ	.002 MG/L		U						
BARIUM				.0988 MG/L		-	.101 MG/L		-						
BERYLLIUM				.002 MG/L		U	.002 MG/L		U						
CADMIUM				.005 MG/L		U	.005 MG/L		U						
CALCIUM				171 MG/L		-	173 MG/L		-						
CHROMIUM				.01 MG/L		U	.01 MG/L		U						
COBALT				.01 MG/L		U	.01 MG/L		U						
COPPER				.01 MG/L		U	.01 MG/L		U						
CYANIDE							.002 MG/L		U						
IRON				.02 MG/L		U	.398 MG/L		-						

SAMPLE NUMBER:	004087			116970			116970			116970			116970		
LAB:	IT			IT			IT			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD				.002 MG/L		UJ	.002 MG/L		-						
MAGNESIUM				45.3 MG/L		-	46 MG/L		-						
MANGANESE				.0779 MG/L		-	.0827 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
MOLYBDENUM				.01 MG/L		U	.01 MG/L		U						
NICKEL				.02 MG/L		U	.02 MG/L		U						
POTASSIUM				7.37 MG/L		-	7.46 MG/L		-						
SELENIUM				.002 MG/L		UJ	.002 MG/L		UJ						
SILICON				5.83 MG/L		-	5.99 MG/L		-						
SILVER				.01 MG/L		U	.01 MG/L		U						
SODIUM				15.9 MG/L		-	16.1 MG/L		-						
THALLIUM				.002 MG/L		U	.002 MG/L		U						
VANADIUM				.01 MG/L		U	.01 MG/L		U						
ZINC				.0055 MG/L		U	.0082 MG/L		U						
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U	15.6 PCI/L	3.4	-							16.1 PCI/L	3.5	-
URANIUM, TOTAL	3 UG/L	1	-	41.2 UG/L	5.4	-							43.2 UG/L	5.7	-
URANIUM-234	1.2 PCI/L	.4	-	12.8 PCI/L	2.8	-							13.1 PCI/L	2.8	-
THORIUM-230	1 PCI/L		U	1.62 PCI/L	.61	J							1.27 PCI/L	.48	J
RADIUM-226	1 PCI/L		U	1 PCI/L	.204	UJ							1 PCI/L	.137	UJ
URANIUM-235/236	1 PCI/L		U	.673 PCI/L	.253	J							.666 PCI/L	.252	J
THORIUM-232	1 PCI/L		U	.2 PCI/L		UJ							.2 PCI/L		UJ
THORIUM, TOTAL	4 UG/L		U	.92 UG/L		UJ							1.55 UG/L	.59	UJ
RADIUM-228	3 PCI/L		U	3 PCI/L	.82	U							3 PCI/L	.83	U
THORIUM-228	1 PCI/L		U	.319 PCI/L		UJ							.259 PCI/L		UJ
NEPTUNIUM-237	1 PCI/L		U	.5 PCI/L	.194	U							.5 PCI/L	.233	U
PLUTONIUM-239/240	1 PCI/L		U	.5 PCI/L		UJ							.5 PCI/L	.123	U
PLUTONIUM-238	1 PCI/L		U	.5 PCI/L	.1624	UJ							.5 PCI/L	.232	U
STRONTIUM-90	5 PCI/L		U	1 PCI/L		UJ							1 PCI/L		UJ
TECHNETIUM-99	30 PCI/L		U	15 PCI/L		UJ							15 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		U	150 PCI/L		UJ							150 PCI/L		UJ
CESIUM-137	20 PCI/L		U	13 PCI/L		UJ							14 PCI/L		UJ
GROSS ALPHA				17.9 PCI/L	8.6	J							22.8 PCI/L	9.6	J
GROSS BETA				16.8 PCI/L	4.9	J							12.1 PCI/L	4.6	J
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		U			
1,2-DICHLOROBENZENE										10 UG/L		U			
1,3-DICHLOROBENZENE										10 UG/L		U			

SAMPLE NUMBER:	004087			116970			116970			116970			116970		
LAB:	IT			IT			IT			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,4-DICHLOROBENZENE										10 UG/L		U			
2,4,6-TRICHLOROPHENOL										10 UG/L		U			
2,4-DICHLOROPHENOL										10 UG/L		U			
2,4-DIMETHYLPHENOL										10 UG/L		U			
2,4-DINITROPHENOL										25 UG/L		UR			
2,4-DINITROTOLUENE										10 UG/L		U			
2,6-DINITROTOLUENE										10 UG/L		U			
2-BENZYL-4-CHLOROPHENOL										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		U			
2-CHLOROPHENOL										10 UG/L		U			
2-METHYLNAPHTHALENE										10 UG/L		U			
2-METHYLPHENOL										10 UG/L		U			
2-NITROANILINE										25 UG/L		U			
2-NITROPHENOL										10 UG/L		U			
3,3'-DICHLOROBENZIDINE										10 UG/L		U			
3-NITROANILINE										25 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL										25 UG/L		U			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			
4-NITROANILINE										25 UG/L		U			
4-NITROPHENOL										25 UG/L		U			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		U			
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		U			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			
BENZOIC ACID										50 UG/L		U			
BENZYL ALCOHOL										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE										10 UG/L		U			
BUTYL BENZYL PHTHALATE										10 UG/L		U			
CARBAZOLE										10 UG/L		U			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										10 UG/L		U			
DI-N-OCTYL PHTHALATE										10 UG/L		U			
DIBENZO(A,H)ANTHRACENE										10 UG/L		U			
DIBENZOFURAN										10 UG/L		U			

SAMPLE NUMBER:	004087			116970			116970			116970			116970		
LAB:	IT			IT			IT			IT/MWL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		U			
HEXACHLOROBENZENE										10 UG/L		U			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		U			
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		UJ			
ISOPHORONE										10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			
N-NITROSODIMETHYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		U			
PENTACHLOROPHENOL										25 UG/L		U			
PHENANTHRENE										10 UG/L		U			
PHENOL	.01 MG/L		UJ							10 UG/L		U			
PYRENE										10 UG/L		U			
TRIBUTYL PHOSPHATE										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	116970	003146	003146	003744	003744
TASK:	20.03.05	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	ITAS	IT	IT	IT	IT
WELL OR BORING NUMBER:	21033	2104	2104	2104	2104
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-JUN-93	05-MAY-88	05-MAY-88	06-DEC-88	06-DEC-88
NORTH COORDINATE:	477278.1	477575	477575	477575	477575
EAST COORDINATE:	1380181.18	1377655	1377655	1377655	1377655
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	380 MG/L		-												
AMMONIA	.1 MG/L		U				.5 MG/L		R				.1 MG/L		UJ
CHLORIDE	17.2 MG/L		-				23 MG/L		-				6 MG/L		U
FLUORIDE	.13 MG/L		-				.29 MG/L		-				.19 MG/L		-
NITRATE	1.8 MG/L		J				.1 MG/L		J				.1 MG/L		R
PHENOLS	.01 MG/L		U				.01 MG/L		U				.01 MG/L		U
PHOSPHORUS	.07 MG/L		-				.065 MG/L		-				.04 MG/L		U
SULFATE	237.5 MG/L		-				112 MG/L		-				81.2 MG/L		-
SULFIDE	.5 MG/L		U												
TOTAL KJELDAHL NITROGEN	.13 MG/L		-				.5 MG/L		R				.11 MG/L		UJ
TOTAL ORGANIC CARBON	1 MG/L		U												
TOTAL ORGANIC HALIDES	.01 MG/L		U										.05 MG/L		U
TOTAL ORGANIC NITROGEN	.13 MG/L		-				.5 MG/L		R				.11 MG/L		UJ
INORGANICS															
ARSENIC				.2 MG/L		U				.002 MG/L		UJ			
BARIUM				.05 MG/L		-				.063 MG/L		U			
CADMIUM				.005 MG/L		U				.002 MG/L		U			
CALCIUM				115 MG/L		-				129 MG/L		-			
CHROMIUM				.02 MG/L		U				.02 MG/L		U			
COPPER				.01 MG/L		U				.01 MG/L		U			
IRON				2.38 MG/L		-				3.57 MG/L		-			
LEAD				.05 MG/L		U				.003 MG/L		UJ			
MAGNESIUM				29.7 MG/L		-				32.8 MG/L		-			
MANGANESE				.28 MG/L		-				.312 MG/L		-			
MERCURY				.0002 MG/L		U				.0004 MG/L		J			

SAMPLE NUMBER:	116970			003146			003146			003744			003744		
LAB:	ITAS			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM				.02 MG/L		U				.042 MG/L		U			
NICKEL				.02 MG/L		-				.02 MG/L		U			
POTASSIUM				2.76 MG/L		-				2.36 MG/L		-			
SELENIUM				.2 MG/L		U				.002 MG/L		UJ			
SILVER				.01 MG/L		U				.02 MG/L		U			
SODIUM				11.4 MG/L		-				11.4 MG/L		-			
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.05 UG/L		U												
AROCLOR-1016	1 UG/L		U												
AROCLOR-1221	2 UG/L		U												
AROCLOR-1232	1 UG/L		U												
AROCLOR-1242	1 UG/L		U												
AROCLOR-1248	1 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN ALDEHYDE	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.05 UG/L		U												
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	5 UG/L		U												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL							1 UG/L		R				.4 UG/L	.1	

SAMPLE NUMBER:	116970			003146			003146			003744			003744		
LAB:	ITAS			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-234							1 PCI/L		U				1 PCI/L		U
THORIUM-230							1 PCI/L		U				1 PCI/L		U
RADIUM-226							1 PCI/L		U				1 PCI/L		U
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-232							1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL													3 UG/L		U
RADIUM-228							3.1 PCI/L	1.4	J				3 PCI/L		U
THORIUM-228							1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		U				1 PCI/L		U
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL	25 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		UJ												
2-HEXANONE	10 UG/L		UR												
4-METHYL-2-PENTANONE	10 UG/L		UR												
ACETONE	10 UG/L		UR												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		UR												

SAMPLE NUMBER:	116970			003146			003146			003744			003744		
LAB:	ITAS			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		UJ												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	12 UG/L		UJ												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_721			EMGW_SYSGEN_721			EMGW_SYSGEN_722			EMGW_SYSGEN_722			EMGW_SYSGEN_722		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	IT			NET			NET			NET			WMCO		
WELL OR BORING NUMBER:	2104			2104			2104			2104			2104		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-MAR-91			07-MAR-91			07-NOV-91			07-NOV-91			07-NOV-91		
NORTH COORDINATE:	477575			477575			477575			477575			477575		
EAST COORDINATE:	1377655			1377655			1377655			1377655			1377655		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				273 MG/L		NV				276 MG/L		NV			
AMMONIA				.04 MG/L		NV									
BICARBONATE										274 MG/L		NV			
CARBONATE ALKALINITY										2 MG/L		NV			
CHLORIDE				20 MG/L		NV				21 MG/L		NV			
FLUORIDE				.16 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		UNV				.02 MG/L		UNV			
PH				7.41 SU		NV				7.38 SU		NV			
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.1 MG/L		UNV									
SPECIFIC CONDUCTIVITY				691 UMHOS/CM		NV				733 UMHOS/CM		NV			
SULFATE				96 MG/L		NV				120 MG/L		NV			
TOTAL DISSOLVED SOLIDS				432 MG/L		NV				560 MG/L		NV			
TOTAL ORGANIC CARBON				5 MG/L		NV				9 MG/L		NV			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV				.01 MG/L		UNV			
INORGANICS															
ALUMINUM				.5 MG/L		UNV	.2 MG/L		UNV						
ANTIMONY				.025 MG/L		UNV	.02 MG/L		UNV						
ARSENIC				.0025 MG/L		UNV	.005 MG/L		UNV						
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV						
BERYLLIUM				.01 MG/L		UNV	.005 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV						
CALCIUM				78.7 MG/L		NV	93 MG/L		NV						
CHROMIUM				.005 MG/L		UNV				.14 MG/L		UNV			
COBALT				.025 MG/L		UNV	.005 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_721			EMGW_SYSGEN_721			EMGW_SYSGEN_722			EMGW_SYSGEN_722			EMGW_SYSGEN_722		
LAB:	IT			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER				.025 MG/L		UNV	.02 MG/L		UNV						
CYANIDE				.005 MG/L		UNV									
IRON				2.4 MG/L		NV	2.75 MG/L		NV						
LEAD				.005 MG/L		UNV	.003 MG/L		UNV						
MAGNESIUM				27.1 MG/L		NV	28.7 MG/L		NV						
MANGANESE				.236 MG/L		NV	.254 MG/L		NV						
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM				.025 MG/L		UNV	.01 MG/L		UNV						
NICKEL				.005 MG/L		UNV	.01 MG/L		UNV						
POTASSIUM				1.64 MG/L		NV	2 MG/L		NV						
SELENIUM				.0025 MG/L		UNV	.005 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM				11 MG/L		NV	10.5 MG/L		NV						
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC				.02 MG/L		UNV	.02 MG/L		UNV						
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	.39 PCI/L		NV												
URANIUM, TOTAL	.614 UG/L		NV										.8 UG/L		NV
URANIUM-234	.2 PCI/L		UNV												
THORIUM-230	.386 PCI/L		NV												
RADIUM-226	1 PCI/L		UNV												
URANIUM-235/236	.2 PCI/L		UNV												
THORIUM-232	.27 PCI/L		UNV												
THORIUM, TOTAL	2.5 UG/L		UNV												
RADIUM-228	3 PCI/L		UNV												
THORIUM-228	.27 PCI/L		UNV												
NEPTUNIUM-237	.5 PCI/L		UNV												
PLUTONIUM-239/240	.5 PCI/L		UNV												
PLUTONIUM-238	.5 PCI/L		UNV												
TECHNETIUM-99	21 PCI/L		UNV												
RUTHENIUM-106	150 PCI/L		UNV												
CESIUM-137	4.5 PCI/L		UNV												
GROSS ALPHA	1.9 PCI/L		UNV												
GROSS BETA	5.46 PCI/L		NV												

001201

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV 10 UG/L UNV

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_721			EMGW_SYSGEN_721			EMGW_SYSGEN_722			EMGW_SYSGEN_722			EMGW_SYSGEN_722		
LAB:	IT			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROPROPANE				1 UG/L		UNV				1 UG/L		UNV			
2-BUTANONE				2 UG/L		UNV				2 UG/L		UNV			
2-HEXANONE				2 UG/L		UNV				2 UG/L		UNV			
4-METHYL-2-PENTANONE				2 UG/L		UNV				2 UG/L		UNV			
ACETONE				2 UG/L		UNV				2 UG/L		UNV			
BENZENE				1 UG/L		UNV				1 UG/L		UNV			
BROMODICHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
BROMOFORM				1 UG/L		UNV				1 UG/L		UNV			
BROMOMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CARBON DISULFIDE				1 UG/L		UNV				1 UG/L		UNV			
CARBON TETRACHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROBENZENE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROFORM				1 UG/L		UNV				1 UG/L		UNV			
CHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
ETHYLBENZENE				1 UG/L		UNV				1 UG/L		UNV			
METHYLENE CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
STYRENE				1 UG/L		UNV				1 UG/L		UNV			
TETRACHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
TOLUENE				1 UG/L		UNV				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
TRICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
VINYL ACETATE				2 UG/L		UNV				2 UG/L		UNV			
VINYL CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
XYLENES, TOTAL				1 UG/L		UNV				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_719	EMGW_SYSGEN_719	GW930513-14	GW930513-14	GW930513-14
TASK:	GWMON	GWMON	50.03.23	50.03.23	50.03.23
LAB:	IT	NET	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	2104	2104	2104	2104	2104
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-SEP-90	12-SEP-90	13-MAY-93	13-MAY-93	13-MAY-93
NORTH COORDINATE:	477575	477575	477575	477575	477575
EAST COORDINATE:	1377655	1377655	1377655	1377655	1377655
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				282 MG/L		NV									
CHLORIDE				25 MG/L		NV									
FLUORIDE				.2 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PH				7.21 SU		NV									
PHENOLS				.005 MG/L		UNV									
SPECIFIC CONDUCTIVITY				795 UMHOS/CM		NV									
SULFATE				135 MG/L		NV									
TOTAL DISSOLVED SOLIDS				490 MG/L		NV									
TOTAL ORGANIC CARBON				3 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	.336 PCI/L		NV				.2 PCI/L	.4	UJ	.2 PCI/L	.3	U			
URANIUM, TOTAL	1.02 UG/L		NV				.7 UG/L	.1	J	.7 UG/L	.1	-	.7 UG/L		UNV
URANIUM-234	.385 PCI/L		NV				.3 PCI/L	.3	J	.6 PCI/L	.4	U			
THORIUM-230	.25 PCI/L		UNV				.2 PCI/L	.3	UJ	.2 PCI/L	.1	U			
RADIUM-226	1 PCI/L		UNV				1.7 PCI/L	.5	-	1 PCI/L	.3	UJ			
URANIUM-235/236	.2 PCI/L		UNV				.2 PCI/L	.1	UJ	.2 PCI/L	.8	U			
THORIUM-232	.25 PCI/L		UNV				.2 PCI/L	.2	UJ	.2 PCI/L	.1	U			
THORIUM, TOTAL	2.3 UG/L		UNV												
RADIUM-228	3 PCI/L		UNV				3 PCI/L	1.1	U	3 PCI/L	1.8	U			

SAMPLE NUMBER:	EMGW_SYSGEN_719			EMGW_SYSGEN_719			GW930513-14			GW930513-14			GW930513-14		
LAB:	IT			NET			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-228	.25 PCI/L		UNV				.2 PCI/L	.5	UJ	.2 PCI/L	.1	U			
GROSS ALPHA	7.3 PCI/L		UNV				2.6 PCI/L	2.9	UNV	6.8 PCI/L	2.8	NV			
GROSS BETA	4.86 PCI/L		NV				7 PCI/L	2.7	NV	4.5 PCI/L	2.7	NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				60 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_719			EMGW_SYSGEN_719			GW930513-14			GW930513-14			GW930513-14		
LAB:	IT			NET			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930513-14			GW930513-14			GW930513-14			GW930513-18			GW930513-18		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	FERMCO			LOCKHEED			LOCKHEED			CORE			CORE		
WELL OR BORING NUMBER:	2104			2104			2104			2104			2104		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-MAY-93			13-MAY-93			13-MAY-93			13-MAY-93			13-MAY-93		
NORTH COORDINATE:	477575			477575			477575			477575			477575		
EAST COORDINATE:	1377655			1377655			1377655			1377655			1377655		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							320 MG/L		-						
AMMONIA							.065 MG/L		-						
BICARBONATE ALKALINITY							320 MG/L		-						
CARBONATE ALKALINITY							30 MG/L		U						
CHLORIDE							24 MG/L		-						
FLUORIDE							.16 MG/L		-						
NITRATE/NITRITE							.05 MG/L		U						
PH							7.4 SU		-						
PHENOLS							.15 MG/L		U						
PHOSPHORUS							.03 MG/L		U						
SPECIFIC CONDUCTIVITY							960 UMHOS/CM		-						
SULFATE							160 MG/L		-						
TOTAL DISSOLVED SOLIDS				570 MG/L		-									
TOTAL ORGANIC CARBON							1 MG/L		U						
TOTAL ORGANIC HALIDES							.045 MG/L		U						
TOTAL ORGANIC NITROGEN							-.065 MG/L		U						
TOTAL SOLIDS							550 MG/L		-						
INORGANICS															
ALUMINUM				.024 MG/L		U	.024 MG/L		U						
ANTIMONY				.0313 MG/L		UJ	.027 MG/L		U						
ARSENIC				.002 MG/L		U	.002 MG/L		U						
BARIUM				.0613 MG/L		-	.0658 MG/L		-						
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						
CADMIUM				.0024 MG/L		UJ	.002 MG/L		U						
CALCIUM				133 MG/L		-	138 MG/L		-						

SAMPLE NUMBER:	GW930513-14			GW930513-14			GW930513-14			GW930513-18			GW930513-18		
LAB:	FERMCO			LOCKHEED			LOCKHEED			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM				.004 MG/L		U	.004 MG/L		U						
COBALT				.005 MG/L		U	.005 MG/L		U						
COPPER				.003 MG/L		U	.003 MG/L		U						
CYANIDE				.02 MG/L		UJ	.02 MG/L		UJ						
IRON				3.18 MG/L		-	3.54 MG/L		-						
LEAD				.002 MG/L		UJ	.002 MG/L		U						
MAGNESIUM				33.4 MG/L		-	35.8 MG/L		-						
MANGANESE				.302 MG/L		-	.315 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
MOLYBDENUM				.011 MG/L		U	.011 MG/L		U						
NICKEL				.011 MG/L		U	.011 MG/L		U						
POTASSIUM				2.01 MG/L		-	2.26 MG/L		-						
SELENIUM				.001 MG/L		UJ	.001 MG/L		J						
SILVER				.004 MG/L		U	.004 MG/L		U						
SODIUM				11.1 MG/L		-	12.4 MG/L		-						
THALLIUM				.003 MG/L		U	.003 MG/L		U						
VANADIUM				.004 MG/L		U	.004 MG/L		U						
ZINC				.0072 MG/L		U	.005 MG/L		U						
RADIONUCLIDES															
URANIUM-238										.2 PCI/L	.4	UJ	.2 PCI/L	.3	U
URANIUM, TOTAL	.5 UG/L		UNV							.6 UG/L	.1	J	.7 UG/L	.1	-
URANIUM-234										.2 PCI/L	.3	UJ	.6 PCI/L	.3	U
THORIUM-230										.2 PCI/L	.4	UJ	.2 PCI/L	.1	U
RADIUM-226										2.3 PCI/L	.6	-	1 PCI/L	.3	UJ
URANIUM-235/236										.2 PCI/L	.1	UJ	.2 PCI/L	.8	U
THORIUM-232										.2 PCI/L	.2	UJ	.2 PCI/L	.1	U
RADIUM-228										3 PCI/L	1	U	3 PCI/L	1.5	U
THORIUM-228										.2 PCI/L	.5	UJ	.2 PCI/L	.1	U
GROSS ALPHA										6.4 PCI/L	3	NV	3.7 PCI/L	3.3	UNV
GROSS BETA										8.5 PCI/L	4	NV	2 PCI/L	3.5	UNV
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		UJ						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						

SAMPLE NUMBER:	GW930513-14			GW930513-14			GW930513-14			GW930513-18			GW930513-18		
LAB:	FERMCO			LOCKHEED			LOCKHEED			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		UJ						
4-METHYL-2-PENTANONE							10 UG/L		UJ						
ACETONE							10 UG/L		UJ						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930513-18			GW930513-18			GW930513-18			GW930513-18			EMGW_SYSGEN_718		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			GWMON		
LAB:	FERMCO			FERMCO			LOCKHEED			LOCKHEED			IT		
WELL OR BORING NUMBER:	2104			2104			2104			2104			2104		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-MAY-93			13-MAY-93			13-MAY-93			13-MAY-93			14-JUN-90		
NORTH COORDINATE:	477575			477575			477575			477575			477575		
EAST COORDINATE:	1377655			1377655			1377655			1377655			1377655		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										320 MG/L		-			
AMMONIA										.05 MG/L		U			
BICARBONATE ALKALINITY										320 MG/L		-			
CARBONATE ALKALINITY										30 MG/L		U			
CHLORIDE										24 MG/L		-			
FLUORIDE										.17 MG/L		-			
NITRATE/NITRITE										.05 MG/L		U			
PH										7.4 SU		-			
PHENOLS										.15 MG/L		U			
PHOSPHORUS										.03 MG/L		U			
SPECIFIC CONDUCTIVITY										930 UMHOS/CM		-			
SULFATE										160 MG/L		-			
TOTAL DISSOLVED SOLIDS							590 MG/L		-						
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.045 MG/L		U			
TOTAL ORGANIC NITROGEN										0 MG/L		-			
TOTAL SOLIDS										570 MG/L		-			
INORGANICS															
ALUMINUM							.024 MG/L		U	.024 MG/L		U			
ANTIMONY							.027 MG/L		U	.027 MG/L		U			
ARSENIC							.0035 MG/L		-	.002 MG/L		U			
BARIUM							.0609 MG/L		-	.0693 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.0035 MG/L		UJ	.002 MG/L		U			
CALCIUM							133 MG/L		-	142 MG/L		-			

SAMPLE NUMBER:	GW930513-18			GW930513-18			GW930513-18			GW930513-18			EMGW_SYSGEN_718		
LAB:	FERMCO			FERMCO			LOCKHEED			LOCKHEED			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM							.004 MG/L		U	.004 MG/L		U			
COBALT							.005 MG/L		U	.005 MG/L		U			
COPPER							.003 MG/L		U	.0035 MG/L		U			
CYANIDE							.02 MG/L		UJ	.02 MG/L		UJ			
IRON							3.39 MG/L		-	3.73 MG/L		-			
LEAD							.002 MG/L		UJ	.002 MG/L		U			
MAGNESIUM							34.1 MG/L		-	37.2 MG/L		-			
MANGANESE							.304 MG/L		-	.325 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
MOLYBDENUM							.011 MG/L		U	.011 MG/L		U			
NICKEL							.011 MG/L		U	.011 MG/L		U			
POTASSIUM							1.57 MG/L		-	1.63 MG/L		-			
SELENIUM							.001 MG/L		UJ	.001 MG/L		UJ			
SILVER							.004 MG/L		U	.004 MG/L		U			
SODIUM							11.3 MG/L		-	13.2 MG/L		-			
THALLIUM							.003 MG/L		U	.003 MG/L		U			
VANADIUM							.004 MG/L		U	.004 MG/L		U			
ZINC							.003 MG/L		U	.0075 MG/L		U			
RADIONUCLIDES															
URANIUM-238													.614 PCI/L		NV
URANIUM, TOTAL	.7 UG/L		UNV	.8 UG/L		UNV							1.94 UG/L		NV
URANIUM-234													.597 PCI/L		NV
THORIUM-230													.2 PCI/L		UNV
RADIUM-226													1 PCI/L		UNV
URANIUM-235/236													.256 PCI/L		NV
THORIUM-232													.2 PCI/L		UNV
THORIUM, TOTAL													1.7 UG/L		UNV
RADIUM-228													3 PCI/L		UNV
THORIUM-228													.513 PCI/L		NV
GROSS ALPHA													15 PCI/L		UNV
GROSS BETA													12 PCI/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		UJ			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			

SAMPLE NUMBER:	GW930513-18			GW930513-18			GW930513-18			GW930513-18			EMGW_SYSGEN_718		
LAB:	FERMCO			FERMCO			LOCKHEED			LOCKHEED			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		UJ			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		UJ			
4-METHYL-2-PENTANONE										10 UG/L		UJ			
ACETONE										10 UG/L		UJ			
BENZENE										10 UG/L		UJ			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		UJ			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		UJ			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		UJ			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		UJ			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_718	003970	003970	003498	003498
TASK:	GWMON	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	NET	IT	IT	IT	IT
WELL OR BORING NUMBER:	2104	2104	2104	2104	2104
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-JUN-90	15-MAR-89	15-MAR-89	16-AUG-88	16-AUG-88
NORTH COORDINATE:	477575	477575	477575	477575	477575
EAST COORDINATE:	1377655	1377655	1377655	1377655	1377655
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		-				.1 MG/L		U
CHLORIDE	23 MG/L		NV				26 MG/L		-				25 MG/L		J
FLUORIDE							.2 MG/L		-				.23 MG/L		-
NITRATE	.02 MG/L		UNV				.05 MG/L		R				.1 MG/L		R
NITRATE, AS NITROGEN	.02 MG/L		UNV												
PHENOLS							.005 MG/L		U				.03 MG/L		J
PHOSPHORUS							.02 MG/L		-				.05 MG/L		UJ
SULFATE	100 MG/L		NV				100 MG/L		-				96 MG/L		J
TOTAL KJELDAHL NITROGEN							.2 MG/L		U						
TOTAL ORGANIC CARBON	1 MG/L		UNV												
TOTAL ORGANIC HALIDES							.05 MG/L		U				.05 MG/L		U
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.1 MG/L		-				.1 MG/L		-
INORGANICS															
ARSENIC				.003 MG/L		U				.25 MG/L		-			
BARIUM				.06 MG/L		-				.059 MG/L		-			
CADMIUM				.005 MG/L		U				.002 MG/L		U			
CALCIUM				120 MG/L		-				112.5 MG/L		-			
CHROMIUM				.02 MG/L		-				.02 MG/L		U			
COPPER				.01 MG/L		U				.01 MG/L		U			
IRON				2.4 MG/L		J				2.992 MG/L		-			
LEAD				.002 MG/L		U				.05 MG/L		U			
MAGNESIUM				29 MG/L		-				28.88 MG/L		-			
MANGANESE				.27 MG/L		-				.268 MG/L		-			
MERCURY				.0002 MG/L		UJ				.0002 MG/L		UJ			

SAMPLE NUMBER:	EMGW_SYSGEN_718			003970			003970			003498			003498		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM				.01 MG/L		-				.02 MG/L		U			
NICKEL				.03 MG/L		U				.02 MG/L		U			
POTASSIUM				2 MG/L		-				2.5 MG/L		-			
SELENIUM				.005 MG/L		U				.2 MG/L		U			
SILVER				.01 MG/L		U				.01 MG/L		U			
SODIUM				11 MG/L		-				11.08 MG/L		J			
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL							.4 UG/L	.1	-				.3 UG/L	.1	-
URANIUM-234							1 PCI/L		U				1 PCI/L		U
THORIUM-230							1 PCI/L		U				1 PCI/L		U
RADIUM-226							1 PCI/L		U				1 PCI/L		U
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-232							1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL							6 UG/L		UJ				3 UG/L		U
RADIUM-228							3 PCI/L		UJ				3 PCI/L		U
THORIUM-228							1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		U				1 PCI/L		U
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	10 UG/L		UNV												
2-HEXANONE	10 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	10 UG/L		UNV												
BENZENE	1 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_718			003970			003970			003498			003498		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	10 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	10 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	5 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	10 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004235	004235	004269	004269	EMGW_SYSGEN_720
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	GWMON
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2104	2104	2104	2104	2104
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-APR-90	22-APR-90	22-APR-90	22-APR-90	27-NOV-90
NORTH COORDINATE:	477575	477575	477575	477575	477575
EAST COORDINATE:	1377655	1377655	1377655	1377655	1377655
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.1 MG/L		U			
CHLORIDE				28 MG/L		-				26 MG/L		-			
FLUORIDE				.2 MG/L		-				.2 MG/L		-			
NITRATE				.09 MG/L		J				.02 MG/L		R			
PHENOLS				.022 MG/L		-				.031 MG/L		-			
PHOSPHORUS				.01 MG/L		UJ				.01 MG/L		UJ			
SULFATE				59.4 MG/L		-				136 MG/L		-			
SULFIDE				.5 MG/L		U				.5 MG/L		U			
TOTAL ORGANIC CARBON				1 MG/L		-				1 MG/L		-			
TOTAL ORGANIC HALIDES				.05 MG/L		UJ				.05 MG/L		UJ			
TOTAL ORGANIC NITROGEN				.1 MG/L		U				.1 MG/L		U			
INORGANICS															
ALUMINUM	.06 MG/L		U				.06 MG/L		U						
ARSENIC	.002 MG/L		U				.002 MG/L		U						
BARIUM	.061 MG/L		-				.058 MG/L		-						
CADMIUM	.002 MG/L		-				.002 MG/L		-						
CALCIUM	122 MG/L		-				116 MG/L		-						
CHROMIUM	.01 MG/L		U				.011 MG/L		-						
COPPER	.01 MG/L		U				.01 MG/L		U						
IRON	2.9 MG/L		-				2.88 MG/L		-						
LEAD	.002 MG/L		U				.002 MG/L		U						
MAGNESIUM	31.4 MG/L		-				30.3 MG/L		-						
MANGANESE	.281 MG/L		-				.272 MG/L		-						
MERCURY	.0002 MG/L		U				.0002 MG/L		U						
MOLYBDENUM	.01 MG/L		U				.01 MG/L		U						

SAMPLE NUMBER:	004235			004235			004269			004269			EMGW_SYSGEN_720		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.02 MG/L		U				.02 MG/L		U						
POTASSIUM	2.24 MG/L		-				2.25 MG/L		-						
SELENIUM	.003 MG/L		UJ				.003 MG/L		UJ						
SILICON	2.5 MG/L		-				2.7 MG/L		-						
SILVER	.01 MG/L		U				.01 MG/L		U						
SODIUM	12.2 MG/L		-				11.6 MG/L		-						
VANADIUM	.01 MG/L		U				.01 MG/L		U						
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		U	.51 PCI/L		UNV
URANIUM, TOTAL				2 UG/L		U				1.5 UG/L		UJ	.433 UG/L		NV
URANIUM-234				1 PCI/L		U				1 PCI/L		U	.51 PCI/L		UNV
THORIUM-230				1 PCI/L		U				1 PCI/L		U	.54 PCI/L		UNV
RADIUM-226				1 PCI/L		UJ				1 PCI/L		UJ	1 PCI/L		UNV
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U	.51 PCI/L		UNV
THORIUM-232				1 PCI/L		U				1 PCI/L		U	.54 PCI/L		UNV
THORIUM, TOTAL				1.9 UG/L		UJ				5.6 UG/L		UJ	4.8 UG/L		UNV
RADIUM-228				3 PCI/L		R				3 PCI/L		UJ	3 PCI/L		UNV
THORIUM-228				1 PCI/L		U				1 PCI/L		U	1.64 PCI/L		NV
NEPTUNIUM-237				1 PCI/L		UJ				1 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				31 PCI/L		UJ				30 PCI/L		UJ			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		U			
CESIUM-137				20 PCI/L		R				20 PCI/L		U			
GROSS ALPHA													5.2 PCI/L		UNV
GROSS BETA													4.6 PCI/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_720	003268	003268	003782	003782
TASK:	GWMON	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	NET	IT	IT	IT	IT
WELL OR BORING NUMBER:	2104	2105	2105	2105	2105
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-NOV-90	05-JUN-88	05-JUN-88	13-DEC-88	13-DEC-88
NORTH COORDINATE:	477575	491122.03	491122.03	491122.03	491122.03
EAST COORDINATE:	1377655	1372678.8	1372678.8	1372678.8	1372678.8
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	269 MG/L		NV												
AMMONIA	.03 MG/L		NV				8 MG/L		J				.4 MG/L		-
CHLORIDE	20 MG/L		NV				65 MG/L		-				8 MG/L		J
FLUORIDE	.19 MG/L		NV				.64 MG/L		-				.7 MG/L		-
NITRATE	.02 MG/L		UNV				.1 MG/L		J				.1 MG/L		R
NITRATE/NITRITE	.02 MG/L		UNV												
PH	7.23 SU		NV				.01 MG/L		U				.01 MG/L		U
PHENOLS	.007 MG/L		NV				.01 MG/L		U				.01 MG/L		U
PHOSPHORUS	.31 MG/L		NV				.115 MG/L		-				.459 MG/L		-
SPECIFIC CONDUCTIVITY	566 UMHOS/CM		NV												
SULFATE	81 MG/L		NV				7 MG/L		-				20.3 MG/L		J
TOTAL DISSOLVED SOLIDS	438 MG/L		NV												
TOTAL KJELDAHL NITROGEN													.53 MG/L		J
TOTAL ORGANIC CARBON	1 MG/L		NV												
TOTAL ORGANIC HALIDES													.05 MG/L		UJ
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.9 MG/L		-				.13 MG/L		-
INORGANICS															
ARSENIC				.2 MG/L		U				.017 MG/L		U			
BARIUM				.086 MG/L		-				.002 MG/L		U			
CADMIUM				.005 MG/L		U				.002 MG/L		U			
CALCIUM				30.4 MG/L		-				.01 MG/L		U			
CHROMIUM				.02 MG/L		U				.02 MG/L		U			
COPPER				.01 MG/L		U				.01 MG/L		U			
CYANIDE	.005 MG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_720			003268			003268			003782			003782		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON				1.88 MG/L		-				.017 MG/L		-			
LEAD				.05 MG/L		U				.002 MG/L		U			
MAGNESIUM				15.8 MG/L		-				.005 MG/L		U			
MANGANESE				.02 MG/L		-				.014 MG/L		-			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.02 MG/L		U				.03 MG/L		U			
NICKEL				.02 MG/L		U				.02 MG/L		U			
POTASSIUM				3.12 MG/L		-				.169 MG/L		-			
SELENIUM				.2 MG/L		U				.002 MG/L		UJ			
SILVER				.01 MG/L		U				.01 MG/L		J			
SODIUM				101 MG/L		-				179 MG/L		-			
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL							1 UG/L		UJ				.1 UG/L		U
URANIUM-234							1 PCI/L		U				1 PCI/L		U
THORIUM-230							1 PCI/L		U				1 PCI/L		U
RADIUM-226							1 PCI/L		U				1 PCI/L		U
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-232							1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL													3 UG/L		U
RADIUM-228							3 PCI/L		U				3 PCI/L		U
THORIUM-228							1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		U				1 PCI/L		U
STRONTIUM-90							5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															

1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
SAMPLE NUMBER:	EMGW_SYSGEN_720			003268			003268			003782			003782		
LAB:	NET			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003968	003968	003577	003577	004236
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2105	2105	2105	2105	2106
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-MAR-89	15-MAR-89	28-AUG-88	28-AUG-88	02-MAR-90
NORTH COORDINATE:	491122.03	491122.03	491122.03	491122.03	476096.82
EAST COORDINATE:	1372678.8	1372678.8	1372678.8	1372678.8	1379580.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				4 MG/L		-				3.6 MG/L		J			
CHLORIDE				54 MG/L		-				60 MG/L		J			
FLUORIDE				.5 MG/L		-				.75 MG/L		-			
NITRATE				.02 MG/L		R				2.5 MG/L		U			
PHENOLS				.005 MG/L		U				.01 MG/L		U			
PHOSPHATE										.56 MG/L		J			
PHOSPHORUS				.1 MG/L		-									
SULFATE				2 MG/L		U				2 MG/L		U			
TOTAL KJELDAHL NITROGEN				4.2 MG/L		-									
TOTAL ORGANIC HALIDES				.05 MG/L		U				.05 MG/L		U			
TOTAL ORGANIC NITROGEN				.2 MG/L		-				.5 MG/L		-			
INORGANICS															
ALUMINUM													.145 MG/L		-
ANTIMONY													.03 MG/L		U
ARSENIC	.016 MG/L		-				.106 MG/L		-				.002 MG/L		U
BARIUM	.48 MG/L		-				.5 MG/L		-				.039 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM	.005 MG/L		U				.002 MG/L		-				.0022 MG/L		-
CALCIUM	87 MG/L		-				75.3 MG/L		-				85.3 MG/L		-
CHROMIUM	.02 MG/L		-				.02 MG/L		U				.0277 MG/L		J
COBALT													.01 MG/L		U
COPPER	.01 MG/L		U				.01 MG/L		U				.01 MG/L		U
IRON	2.9 MG/L		J				3 MG/L		-				.0856 MG/L		-
LEAD	.002 MG/L		U				.056 MG/L		UJ				.0055 MG/L		-
MAGNESIUM	24 MG/L		-				24.2 MG/L		-				22.2 MG/L		-

SAMPLE NUMBER:	003968			003968			003577			003577			004236		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE	.019 MG/L		-				.03 MG/L		-				.0097 MG/L		-
MERCURY	.0002 MG/L		UJ				.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM	.01 MG/L		-				.02 MG/L		U				.01 MG/L		U
NICKEL	.03 MG/L		U				.02 MG/L		U				.02 MG/L		U
POTASSIUM	1.2 MG/L		-				1.13 MG/L		-				2.28 MG/L		-
SELENIUM	.005 MG/L		U				.002 MG/L		U				.002 MG/L		UJ
SILVER	.01 MG/L		U				.01 MG/L		U				.01 MG/L		UJ
SODIUM	34 MG/L		-				33 MG/L		-				11.6 MG/L		-
THALLIUM													.002 MG/L		U
VANADIUM													.0116 MG/L		-
ZINC													.238 MG/L		J
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		UJ			
URANIUM, TOTAL				.1 UG/L		U				1 UG/L		U			
URANIUM-234				1 PCI/L		U				1 PCI/L		UJ			
THORIUM-230				1 PCI/L		U				1 PCI/L		UJ			
RADIUM-226				1 PCI/L		U				1 PCI/L		U			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		UJ			
THORIUM-232				1 PCI/L		U				1 PCI/L		UJ			
THORIUM, TOTAL				5 UG/L		U				2 UG/L		UJ			
RADIUM-228				3 PCI/L		U				3 PCI/L		U			
THORIUM-228				1 PCI/L		U				1 PCI/L		UJ			
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		R			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004236	068437	068437	068438	068369
TASK:	3.2.4	3.11	3.11	3.11	3.11
LAB:	IT	IT	IT	FERMCO	IT
WELL OR BORING NUMBER:	2106	2106	2106	2106	2106
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-MAR-90	03-DEC-92	03-DEC-92	03-DEC-92	05-NOV-91
NORTH COORDINATE:	476096.82	476096.82	476096.82	476096.82	476096.82
EAST COORDINATE:	1379580.27	1379580.27	1379580.27	1379580.27	1379580.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U				.1 MG/L		U						
CHLORIDE	8.6 MG/L		-				16 MG/L		-						
FLUORIDE	.28 MG/L		-				.29 MG/L		-						
NITRATE	1.12 MG/L		-				1.19 MG/L		-						
PHENOLS	.014 MG/L		-				.01 MG/L		U						
PHOSPHORUS	1.06 MG/L		-				.56 MG/L		-						
SULFATE	49.2 MG/L		-				55.8 MG/L		J						
SULFIDE	.5 MG/L		U				.5 MG/L		U						
TOTAL ORGANIC CARBON	1.69 MG/L		-				1.2 MG/L		-						
TOTAL ORGANIC HALIDES	.086 MG/L		J				.01 MG/L		U						
TOTAL ORGANIC NITROGEN	.141 MG/L		J				.1 MG/L		U						
INORGANICS															
ALUMINUM				.076 MG/L		-									
ARSENIC				.002 MG/L		UJ									
BARIUM				.0364 MG/L		-									
CADMIUM				.0032 MG/L		-									
CALCIUM				74.1 MG/L		-									
CHROMIUM				.0222 MG/L		-									
COPPER				.01 MG/L		U									
CYANIDE	.01 MG/L		UR												
IRON				.0207 MG/L		-									
LEAD				.002 MG/L		U									
MAGNESIUM				18.1 MG/L		-									
MANGANESE				.0045 MG/L		-									
MERCURY				.0002 MG/L		U									

SAMPLE NUMBER:	004236			068437			068437			068438			068369		
LAB:	IT			IT			IT			FERMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM				.01 MG/L		U									
NICKEL				.02 MG/L		U									
POTASSIUM				2.76 MG/L		-									
SELENIUM				.002 MG/L		U									
SILICON				3.19 MG/L		-									
SILVER				.0196 MG/L		-									
SODIUM				9.31 MG/L		-									
VANADIUM				.0111 MG/L		-									
ZINC				.0076 MG/L		U									
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.5 UG/L		U												
AROCLOR-1016	.5 UG/L		U												
AROCLOR-1221	.5 UG/L		U												
AROCLOR-1232	.5 UG/L		U												
AROCLOR-1242	.5 UG/L		U												
AROCLOR-1248	.5 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.5 UG/L		U												
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	1 UG/L		U												
RADIONUCLIDES															

URANIUM-238 07/25/94	20.2 PCI/L	2.7	-	14.8 PCI/L	2.6	-							17.4 PCI/L	2.5	-
SAMPLE NUMBER:	004236			068437			068437			068438			068369		
LAB:	IT			IT			IT			FERMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	88.6 UG/L	12	-	51 UG/L	6.7	-				50 UG/L		NV	49.4 UG/L	6.4	-
URANIUM-234	19 PCI/L	2.5	-	18 PCI/L	3	-							17.9 PCI/L	2.6	-
THORIUM-230	1 PCI/L		U	1 PCI/L		U							1 PCI/L		U
RADIUM-226	1 PCI/L		UJ	1 PCI/L		U							1 PCI/L		UJ
URANIUM-235/236	1.56 PCI/L	.41	-	1.18 PCI/L	.65	-							1.45 PCI/L	.57	J
THORIUM-232	1 PCI/L		U	1 PCI/L		U							1 PCI/L		U
THORIUM, TOTAL	2.7 UG/L		U	5.2 UG/L		U							8.5 UG/L		U
RADIUM-228	3 PCI/L		U	3 PCI/L		UJ							3 PCI/L		UJ
THORIUM-228	1 PCI/L		U	1 PCI/L		U							11.3 PCI/L	3.1	J
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		U	1 PCI/L		U							1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U	1 PCI/L		U							1.2 PCI/L		U
STRONTIUM-90	7.24 PCI/L	1.42	J	5 PCI/L		U							5 PCI/L		UJ
TECHNETIUM-99	30 PCI/L		U	30 PCI/L		U							30 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		R	150 PCI/L		U							150 PCI/L		UJ
CESIUM-137	20 PCI/L		R	20 PCI/L		U							20 PCI/L		UJ
GROSS ALPHA				30.8 PCI/L	7.9	NV									
GROSS BETA				19.8 PCI/L	3.2	NV									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	50 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	50 UG/L		U												
2,4-DINITROTOLUENE	10 UG/L		U												
2,6-DINITROTOLUENE	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												
2-NITROANILINE	50 UG/L		U												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	20 UG/L		U												
3-NITROANILINE	50 UG/L		U												
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		U												

SAMPLE NUMBER:	004236			068437			068437			068438			068369		
LAB:	IT			IT			IT			FERMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	50 UG/L		U												
4-NITROPHENOL	50 UG/L		U												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		U												
BENZOIC ACID	50 UG/L		U												
BENZYL ALCOHOL	10 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U												
BUTYL BENZYL PHTHALATE	4 UG/L		J												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		U												
DI-N-OCTYL PHTHALATE	10 UG/L		U												
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		U												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		U												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U												
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		U												

SAMPLE NUMBER:	004236			068437			068437			068438			068369		
LAB:	IT			IT			IT			FERMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PENTACHLOROPHENOL	50 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	2 UG/L		J				.01 MG/L		U						
PYRENE	10 UG/L		UJ												
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		-												
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U												
1,1,2-TRICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHENE	5 UG/L		U												
1,2-DICHLOROETHANE	5 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U												
1,2-DICHLOROPROPANE	5 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		U												
BENZENE	5 UG/L		U												
BROMODICHLOROMETHANE	5 UG/L		U												
BROMOFORM	5 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	5 UG/L		U												
CARBON TETRACHLORIDE	5 UG/L		U												
CHLOROBENZENE	5 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	5 UG/L		U												
CHLOROMETHANE	10 UG/L		UJ												
CIS-1,3-DICHLOROPROPENE	5 UG/L		U												
DIBROMOCHLOROMETHANE	5 UG/L		U												
ETHYLBENZENE	5 UG/L		U												
METHYLENE CHLORIDE	5 UG/L		U												
STYRENE	5 UG/L		U												
TETRACHLOROETHENE	5 UG/L		U												
TOLUENE	5 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U												
TRICHLOROETHENE	2 UG/L		J												
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	5 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068370			068560			068513			GW930106-3			GW930106-3		
TASK:	3.11			3.11			3.11			RCRA			RCRA		
LAB:	WEMCO			IT			IT			CORE			FERMCO Laboratory		
WELL OR BORING NUMBER:	2106			2106			2106			2106			2106		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-NOV-91			06-FEB-92			06-JAN-92			06-JAN-93			06-JAN-93		
NORTH COORDINATE:	476096.82			476096.82			476096.82			476096.82			476096.82		
EAST COORDINATE:	1379580.27			1379580.27			1379580.27			1379580.27			1379580.27		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238				27.1 PCI/L	3.6	-	24.5 PCI/L	3.8	R						
URANIUM, TOTAL	49 UG/L		NV	81.4 UG/L	11	J	57.8 UG/L	7.5	-	47.3 UG/L		NV	45 UG/L		NV
URANIUM-234				25.4 PCI/L	3.4	-	20.4 PCI/L	3.3	R						
THORIUM-230				1 PCI/L		U	1.86 PCI/L	.77	J	.2 PCI/L	.1	UNV			
RADIUM-226				1 PCI/L		U	1 PCI/L		U	1 PCI/L	.3	UNV			
URANIUM-235/236				1.71 PCI/L	.58	-	7.59 PCI/L	1.73	R						
THORIUM-232				1 PCI/L		U	1 PCI/L		UJ	.2 PCI/L	.1	UNV			
THORIUM, TOTAL				4.62 UG/L	2.52	-	4.6 UG/L		UJ	.9 UG/L		NV			
RADIUM-228				3 PCI/L		U	3 PCI/L		UJ	3 PCI/L	.8	UNV			
THORIUM-228				1.92 PCI/L	.58	J	4.65 PCI/L	1.31	J	.2 PCI/L	.1	UNV			
NEPTUNIUM-237							2.5 PCI/L	.86	J						
PLUTONIUM-239/240				1 PCI/L		U	1 PCI/L		U						
PLUTONIUM-238				1 PCI/L		U	1 PCI/L		U						
STRONTIUM-90				5 PCI/L		U	5 PCI/L		U	1 PCI/L	.5	UNV			
TECHNETIUM-99				30 PCI/L		UJ	30 PCI/L		UJ						
RUTHENIUM-106				150 PCI/L		UJ	150 PCI/L		U						
CESIUM-137				20 PCI/L		UJ	20 PCI/L		U						
GROSS ALPHA				9.03 PCI/L	4.12	NV				21.2 PCI/L	3.4	NV			
GROSS BETA				12.8 PCI/L	3.1	NV				16.4 PCI/L	2.9	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930106-3	GW930106-3	067952	067952	EMGW_SYSGEN_726
TASK:	RCRA	RCRA	3.11	3.11	GWMON
LAB:	NET	NET	IT	IT	IT
WELL OR BORING NUMBER:	2106	2106	2106	2106	2106
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-JAN-93	06-JAN-93	06-MAR-91	06-MAR-91	06-SEP-90
NORTH COORDINATE:	476096.82	476096.82	476096.82	476096.82	476096.82
EAST COORDINATE:	1379580.27	1379580.27	1379580.27	1379580.27	1379580.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				203 MG/L		NV									
ALLYL CHLORIDE				5 UG/L		UNV									
AMMONIA				.02 MG/L		UNV				.1 MG/L		U			
BICARBONATE ALKALINITY				262 MG/L		NV									
CARBONATE ALKALINITY				3 MG/L		UNV									
CHLORIDE				22 MG/L		NV				18.8 MG/L		-			
FLUORIDE				.31 MG/L		NV				.26 MG/L		-			
NITRATE				1.29 MG/L		NV				1.45 MG/L		J			
NITRITE, AS NITROGEN				.02 MG/L		UNV									
PH				7.59 SU		NV				.01 MG/L		U			
PHENOLS				.01 MG/L		UNV				.01 MG/L		U			
PHOSPHORUS				.1 MG/L		UNV				.1 MG/L		-			
SPECIFIC CONDUCTIVITY				629 UMHOS/CM		NV									
SULFATE				87 MG/L		NV				61.6 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL DISSOLVED SOLIDS	326 MG/L		NV												
TOTAL ORGANIC CARBON				1 MG/L		NV				2.61 MG/L		-			
TOTAL ORGANIC HALIDES				.01 MG/L		UNV				.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.22 MG/L		-			
TOTAL SOLIDS				320 MG/L		NV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	.2 MG/L		UNV	.094 MG/L		U						
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV									
ARSENIC	.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		U						
BARIUM	.2 MG/L		UNV	.22 MG/L		NV	.047 MG/L		-						

SAMPLE NUMBER:	GW930106-3			GW930106-3			067952			067952			EMGW_SYSGEN_726		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV									
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.006 MG/L		-						
CALCIUM	84 MG/L		NV	90 MG/L		NV	111 MG/L		-						
CHROMIUM	.002 MG/L		UNV	.002 MG/L		UNV	.025 MG/L		-						
COBALT	.005 MG/L		UNV	.005 MG/L		UNV									
COPPER	.02 MG/L		UNV	.02 MG/L		UNV	.017 MG/L		U						
CYANIDE				.005 MG/L		UNV									
IRON	.1 MG/L		UNV	.11 MG/L		NV	.038 MG/L		U						
LEAD	.003 MG/L		UNV	.003 MG/L		UNV	.002 MG/L		U						
MAGNESIUM	20.6 MG/L		NV	21.8 MG/L		NV	27.1 MG/L		-						
MANGANESE	.015 MG/L		UNV	.015 MG/L		UNV	.009 MG/L		-						
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		U						
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		U						
NICKEL	.01 MG/L		UNV	.01 MG/L		UNV	.02 MG/L		U						
POTASSIUM				3.3 MG/L		NV	3.15 MG/L		-						
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		U						
SILICON							3.51 MG/L		-						
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.027 MG/L		-						
SODIUM				14 MG/L		NV	10.5 MG/L		-						
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.014 MG/L		-						
ZINC	.02 MG/L		UNV	.02 MG/L		UNV									
MISC															
1,2,3-TRICHLOROPROPANE				5 UG/L		UNV									
1,2-DIBROMO-3-CHLOROPROPANE				2 UG/L		UNV									
1,2-DIBROMOETHANE				2 UG/L		UNV									
2-CHLORO-1,3-BUTADIENE				5 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACRYLONITRILE				50 UG/L		UNV									
DICHLORODIFLUOROMETHANE				10 UG/L		UNV									
ETHYL CYANIDE				20 UG/L		UNV									
ETHYL METHACRYLATE				5 UG/L		UNV									
IODOMETHANE				5 UG/L		UNV									
METHACRYLONITRILE				5 UG/L		UNV									
METHYL METHACRYLATE				5 UG/L		UNV									
PENTACHLOROETHANE				5 UG/L		UNV									
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									

SAMPLE NUMBER:	GW930106-3			GW930106-3			067952			067952			EMGW_SYSGEN_726		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
TRANS-1,4-DICHLORO-2-BUTENE				20 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238							21.1 PCI/L	2.5	J				18.7 PCI/L		NV
URANIUM, TOTAL							64.5 UG/L	8.8	-				56 UG/L		NV
URANIUM-234							18.5 PCI/L	2.2	J				18.2 PCI/L		NV
THORIUM-230							1 PCI/L		UJ				.647 PCI/L		NV
RADIUM-226							1 PCI/L		U				1 PCI/L		UNV
URANIUM-235/236							1.6 PCI/L	.36	J				.628 PCI/L		NV
THORIUM-232							1 PCI/L		UJ				.31 PCI/L		UNV
THORIUM, TOTAL							2.4 UG/L		UJ				2.8 UG/L		UNV
RADIUM-228							3 PCI/L		U				3 PCI/L		UNV
THORIUM-228							1.69 PCI/L	.45	J				.647 PCI/L		NV
NEPTUNIUM-237							1 PCI/L		U						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		UJ						
TECHNETIUM-99							30 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
GROSS ALPHA													23 PCI/L		NV
GROSS BETA													33.1 PCI/L		NV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
CUMENE				1 UG/L		UNV									
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				10 UG/L		UNV									
2-HEXANONE				10 UG/L		UNV									
4-METHYL-2-PENTANONE				10 UG/L		UNV									

SAMPLE NUMBER:	GW930106-3			GW930106-3			067952			067952			EMGW_SYSGEN_726		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ACETONE				10 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				5 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				10 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				10 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				10 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
TRICHLOROFLUOROMETHANE				1 UG/L		UNV									
VINYL ACETATE				10 UG/L		UNV									
VINYL CHLORIDE				5 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_726	GW930407-8	GW930407-8	GW930407-8	GW930407-8
TASK:	GWMON	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	NET	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	2106	2106	2106	2106	2106
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-SEP-90	07-APR-93	07-APR-93	07-APR-93	07-APR-93
NORTH COORDINATE:	476096.82	476096.82	476096.82	476096.82	476096.82
EAST COORDINATE:	1379580.27	1379580.27	1379580.27	1379580.27	1379580.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	219 MG/L		NV												
CHLORIDE	22 MG/L		NV												
FLUORIDE	.39 MG/L		NV												
NITRATE, AS NITROGEN	1.89 MG/L		NV												
PH	7.24 SU		NV												
PHENOLS	.005 MG/L		UNV												
SPECIFIC CONDUCTIVITY	569 UMHOS/CM		NV												
SULFATE	68 MG/L		NV												
TOTAL DISSOLVED SOLIDS	375 MG/L		NV												
TOTAL ORGANIC CARBON	2 MG/L		NV												
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				21.3 PCI/L	3.2	-	19.4 PCI/L	2.3	J						
URANIUM, TOTAL				62.2 UG/L	4.4	-	67.9 UG/L	4.8	-	66 UG/L		NV	65 UG/L		NV
URANIUM-234				19.2 PCI/L	2.9	-	17.4 PCI/L	2.1	J						
THORIUM-230				.2 PCI/L	.1	UJ	.3 PCI/L	.1	R						
RADIUM-226				1 PCI/L	.4	UJ	1 PCI/L	.3	U						
URANIUM-235/236				.9 PCI/L	.4	-	.6 PCI/L	.4	J						
THORIUM-232				.3 PCI/L	.1	UJ	.2 PCI/L	.1	R						
RADIUM-228				3 PCI/L	.9	U	3 PCI/L	1.6	U						
THORIUM-228				.3 PCI/L	.1	UJ	.1 PCI/L	.1	R						

SAMPLE NUMBER:	EMGW_SYSGEN_726			GW930407-8			GW930407-8			GW930407-8			GW930407-8		
LAB:	NET			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
GROSS ALPHA				27.7 PCI/L	3.9	NV	28.3 PCI/L	3.9	NV						
GROSS BETA				28.2 PCI/L	2.5	NV	26.9 PCI/L	2.7	NV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	60 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												

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SAMPLE NUMBER:	EMGW_SYSGEN_726			GW930407-8			GW930407-8			GW930407-8			GW930407-8		
LAB:	NET			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930407-8	GW930407-8	004021	004021	068003
TASK:	50.03.23	50.03.23	3.2.4	3.2.4	3.11
LAB:	LOCKHEED	LOCKHEED	IT	IT	IT
WELL OR BORING NUMBER:	2106	2106	2106	2106	2106
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-APR-93	07-APR-93	07-FEB-89	07-FEB-89	07-MAY-91
NORTH COORDINATE:	476096.82	476096.82	476096.82	476096.82	476096.82
EAST COORDINATE:	1379580.27	1379580.27	1379580.27	1379580.27	1379580.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				280 MG/L		-									
AMMONIA				.05 MG/L		U				.1 MG/L		U			
BICARBONATE				280 MG/L		-									
CARBONATE ALKALINITY				30 MG/L		U									
CHLORIDE				26 MG/L		-				21 MG/L		-			
FLUORIDE				.2 MG/L		-				.33 MG/L		J			
NITRATE				1.4 MG/L		-				1.44 MG/L		J			
NITRATE/NITRITE				1.4 MG/L		-									
PH				7.4 SU		-				.01 MG/L		R			
PHENOLS				.15 MG/L		U				.01 MG/L		R			
PHOSPHORUS				.062 MG/L		-				1.44 MG/L		-			
SPECIFIC CONDUCTIVITY				560 UMHOS/CM		-									
SULFATE				94 MG/L		-				58.4 MG/L		J			
TOTAL DISSOLVED SOLIDS	390 MG/L		-												
TOTAL KJELDAHL NITROGEN										.882 MG/L		J			
TOTAL ORGANIC CARBON				1.4 MG/L		-									
TOTAL ORGANIC HALIDES				.045 MG/L		U				.05 MG/L		U			
TOTAL ORGANIC NITROGEN				0 MG/L		-				.882 MG/L		J			
TOTAL SOLIDS				360 MG/L		-									
INORGANICS															
ALUMINUM	.036 MG/L		U	.0364 MG/L		-									
ANTIMONY	.031 MG/L		U	.031 MG/L		UJ									
ARSENIC	.0023 MG/L		-	.002 MG/L		U	.002 MG/L		U						
BARIUM	.0438 MG/L		-	.04 MG/L		-	.041 MG/L		-						
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									

SAMPLE NUMBER:	GW930407-8			GW930407-8			004021			004021			068003		
LAB:	LOCKHEED			LOCKHEED			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM	.003 MG/L		U	.003 MG/L		U	.005 MG/L		-						
CALCIUM	105 MG/L		-	94.9 MG/L		-	85.3 MG/L		-						
CHROMIUM	.003 MG/L		U	.003 MG/L		U	.025 MG/L		-						
COBALT	.009 MG/L		U	.009 MG/L		U									
COPPER	.005 MG/L		U	.005 MG/L		U	.011 MG/L		-						
CYANIDE	.00002 MG/L		U	.00002 MG/L		U									
IRON	.012 MG/L		U	.0988 MG/L		-	.112 MG/L		-						
LEAD	.002 MG/L		U	.002 MG/L		U	.002 MG/L		U						
MAGNESIUM	25.5 MG/L		J	23 MG/L		J	22 MG/L		-						
MANGANESE	.002 MG/L		U	.002 MG/L		U	.011 MG/L		-						
MERCURY	.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		UJ						
MOLYBDENUM							.02 MG/L		U						
NICKEL	.031 MG/L		U	.031 MG/L		U	.02 MG/L		U						
POTASSIUM	3.14 MG/L		-	3.2 MG/L		-	2.63 MG/L		-						
SELENIUM	.002 MG/L		UJ	.002 MG/L		U	.002 MG/L		J						
SILVER	.0051 MG/L		-	.003 MG/L		U	.0005 MG/L		U						
SODIUM	14.6 MG/L		J	13.2 MG/L		J	10.1 MG/L		-						
THALLIUM	.003 MG/L		UJ	.003 MG/L		U									
VANADIUM	.007 MG/L		U	.007 MG/L		U									
ZINC	.002 MG/L		U	.0056 MG/L		U									
RADIONUCLIDES															
URANIUM-238										21 PCI/L	2.6	-	24.9 PCI/L	3.3	-
URANIUM, TOTAL										61 UG/L	10	J	67.8 UG/L	7	-
URANIUM-234										20.9 PCI/L	2.6	-	23.7 PCI/L	3.2	-
THORIUM-230										1 PCI/L		U	1 PCI/L		U
RADIUM-226										1 PCI/L		U	1 PCI/L		U
URANIUM-235/236										1.4 PCI/L	.3	-	1.56 PCI/L	.5	-
THORIUM-232										1 PCI/L		U	1 PCI/L		U
THORIUM, TOTAL										3 UG/L		U	2.4 UG/L		U
RADIUM-228										3.1 PCI/L		UJ	3 PCI/L		UJ
THORIUM-228										1 PCI/L		U	1 PCI/L		U
NEPTUNIUM-237										1 PCI/L		U	1 PCI/L		U
PLUTONIUM-239/240										1 PCI/L		U	1 PCI/L		U
PLUTONIUM-238										1 PCI/L		U	1 PCI/L		U
STRONTIUM-90										5 PCI/L		U	5 PCI/L		U
TECHNETIUM-99										30 PCI/L		U	30 PCI/L		UJ
RUTHENIUM-106										150 PCI/L		R	150 PCI/L		R
CESIUM-137										20 PCI/L		R	20 PCI/L		R

VOLATILES

1,1,1-TRICHLOROETHANE 10 UG/L U
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

DRAFT
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SAMPLE NUMBER:	GW930407-8	GW930407-8	004021	004021	068003
LAB:	LOCKHEED	LOCKHEED	IT	IT	IT
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		UJ									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		UJ									
CHLOROETHANE				10 UG/L		UJ									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		UJ									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		UJ									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		UJ									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		UJ									

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068004	EMGW_SYSGEN_727	EMGW_SYSGEN_727	EMGW_SYSGEN_727	068292
TASK:	3.11	GWMON	GWMON	GWMON	3.11
LAB:	WEMCO	NET	NET	WMCO	IT/RSL
WELL OR BORING NUMBER:	2106	2106	2106	2106	2106
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-MAY-91	07-NOV-91	07-NOV-91	07-NOV-91	07-OCT-91
NORTH COORDINATE:	476096.82	476096.82	476096.82	476096.82	476096.82
EAST COORDINATE:	1379580.27	1379580.27	1379580.27	1379580.27	1379580.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							242 MG/L		NV						
BICARBONATE							241 MG/L		NV						
CARBONATE ALKALINITY							1 MG/L		NV						
CHLORIDE							17 MG/L		NV						
NITRATE, AS NITROGEN							1.19 MG/L		NV						
PH							7.4 SU		NV						
SPECIFIC CONDUCTIVITY							598 UMHOS/CM		NV						
SULFATE							59 MG/L		NV						
TOTAL DISSOLVED SOLIDS							380 MG/L		NV						
TOTAL ORGANIC CARBON							12 MG/L		NV						
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.2 MG/L		UNV									
ANTIMONY				.02 MG/L		UNV									
ARSENIC				.005 MG/L		UNV									
BARIUM				.2 MG/L		UNV									
BERYLLIUM				.005 MG/L		UNV									
CADMIUM				.001 MG/L		UNV									
CALCIUM				60.4 MG/L		NV									
CHROMIUM							.002 MG/L		UNV						
COBALT				.005 MG/L		UNV									
COPPER				.02 MG/L		UNV									
IRON				.1 MG/L		UNV									
LEAD				.003 MG/L		UNV									
MAGNESIUM				18.4 MG/L		NV									

SAMPLE NUMBER:	068004			EMGW_SYSGEN_727			EMGW_SYSGEN_727			EMGW_SYSGEN_727			068292		
LAB:	WEMCO			NET			NET			WMCO			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE				.015 MG/L		UNV									
MERCURY				.0002 MG/L		UNV									
MOLYBDENUM				.01 MG/L		UNV									
NICKEL				.01 MG/L		UNV									
POTASSIUM				3.3 MG/L		NV									
SELENIUM				.005 MG/L		UNV									
SILVER				.001 MG/L		UNV									
SODIUM				9.3 MG/L		NV									
THALLIUM				.01 MG/L		UNV									
VANADIUM				.05 MG/L		UNV									
ZINC				.028 MG/L		NV									
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238													19.9 PCI/L	2.6	-
URANIUM, TOTAL	65 UG/L		NV							50 UG/L		NV	50.7 UG/L	6.9	-
URANIUM-234													17.2 PCI/L	2.3	-
RADIUM-226													1.25 PCI/L	.33	-
URANIUM-235/236													2.09 PCI/L	.54	J
RADIUM-228													3 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		UJ
RUTHENIUM-106													150 PCI/L		U
CESIUM-137													20 PCI/L		U
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						

SAMPLE NUMBER:	068004			EMGW_SYSGEN_727			EMGW_SYSGEN_727			EMGW_SYSGEN_727			068292		
LAB:	WEMCO			NET			NET			WMCO			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068293	EMGW_SYSGEN_725	EMGW_SYSGEN_725	GW930916-1	GW930916-1
TASK:	3.11	GWMON	GWMON	50.03.23	50.03.23
LAB:	WEMCO	IT	NET	CORE	FERMCO
WELL OR BORING NUMBER:	2106	2106	2106	2106	2106
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-OCT-91	15-JUN-90	15-JUN-90	16-SEP-93	16-SEP-93
NORTH COORDINATE:	476096.82	476096.82	476096.82	476096.82	476096.82
EAST COORDINATE:	1379580.27	1379580.27	1379580.27	1379580.27	1379580.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE							19 MG/L		NV						
NITRATE, AS NITROGEN							1.26 MG/L		NV						
SULFATE							76 MG/L		NV						
TOTAL ORGANIC CARBON							2 MG/L		NV						
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
RADIONUCLIDES															
URANIUM-238				16.7 PCI/L		NV				20.9 PCI/L	2.2	-			
URANIUM, TOTAL	47 UG/L		NV	50.9 UG/L		NV				57.1 UG/L	4	-	52 UG/L		NV
URANIUM-234				14.5 PCI/L		NV				18 PCI/L	1.9	-			
THORIUM-230				3.97 PCI/L		NV				.6 PCI/L	.2	J			
RADIUM-226				1.26 PCI/L		NV				1 PCI/L	.4	U			
URANIUM-235/236				2.53 PCI/L		NV				.9 PCI/L	.5	-			
THORIUM-232				1 PCI/L		UNV				.2 PCI/L	.1	UJ			
THORIUM, TOTAL				9.4 UG/L		UNV				.91202976 PCI/L	.1	NV			
RADIUM-228				3 PCI/L		UNV				3 PCI/L	1	U			
THORIUM-228				1.71 PCI/L		NV				.2 PCI/L	.2	U			
TECHNETIUM-99										15 PCI/L	7.6	U			
GROSS ALPHA				31.6 PCI/L		NV				25.2 PCI/L	3.1	-			
GROSS BETA				47.2 PCI/L		NV				29.7 PCI/L	2.5	-			
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						

SAMPLE NUMBER:	068293			EMGW_SYSGEN_725			EMGW_SYSGEN_725			GW930916-1			GW930916-1		
LAB:	WEMCO			IT			NET			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930916-1	GW930916-1	068235	068235	068236
TASK:	50.03.23	50.03.23	3.11	3.11	3.11
LAB:	NET	NET	IT	IT	WEMCO
WELL OR BORING NUMBER:	2106	2106	2106	2106	2106
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-SEP-93	16-SEP-93	17-SEP-91	17-SEP-91	17-SEP-91
NORTH COORDINATE:	476096.82	476096.82	476096.82	476096.82	476096.82
EAST COORDINATE:	1379580.27	1379580.27	1379580.27	1379580.27	1379580.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				232 MG/L		-									
AMMONIA				.02 MG/L		UJ				.1 MG/L		U			
BICARBONATE ALKALINITY				268 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				27 MG/L		-				14 MG/L		-			
FLUORIDE				.3 MG/L		-				.2 MG/L		-			
NITRATE				1.5 MG/L		J				3.4 MG/L		-			
NITRATE/NITRITE				1.5 MG/L		J									
PH				7.5 SU		-				.01 MG/L		U			
PHENOLS				.01 MG/L		U				.01 MG/L		U			
PHOSPHORUS				.1 MG/L		UR				.01 MG/L		-			
SPECIFIC CONDUCTIVITY				467 UMHOS/CM		-									
SULFATE				56 MG/L		-				60 MG/L		-			
SULFIDE										.8 MG/L		-			
TOTAL DISSOLVED SOLIDS	383 MG/L		-												
TOTAL KJELDAHL NITROGEN				.16 MG/L		-									
TOTAL ORGANIC CARBON				2 MG/L		-				1 MG/L		-			
TOTAL ORGANIC HALIDES				.01 MG/L		U				.0701 MG/L		J			
TOTAL ORGANIC NITROGEN				.16 MG/L		-				.3 MG/L		-			
TOTAL SOLIDS				423 MG/L		-									
INORGANICS															
ALUMINUM				.02 MG/L		U	.171 MG/L		-						
ANTIMONY				.03 MG/L		U	.03 MG/L		U						
ARSENIC				.003 MG/L		U	.0025 MG/L		J						
BARIUM				.0404 MG/L		-	.0416 MG/L		-						

SAMPLE NUMBER:	GW930916-1			GW930916-1			068235			068235			068236		
LAB:	NET			NET			IT			IT			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						
CADMIUM				.003 MG/L		U	.005 MG/L		U						
CALCIUM				84.3 MG/L		-	85.8 MG/L		-						
CHROMIUM				.006 MG/L		U	.01 MG/L		U						
COBALT				.0114 MG/L		U	.02 MG/L		U						
COPPER				.003 MG/L		U	.01 MG/L		U						
CYANIDE				.01 MG/L		U									
IRON				.0417 MG/L		U	.123 MG/L		-						
LEAD				.002 MG/L		UJ	.002 MG/L		UJ						
MAGNESIUM				20 MG/L		-	20.1 MG/L		-						
MANGANESE				.0024 MG/L		-	.0025 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
MOLYBDENUM							.01 MG/L		U						
NICKEL				.01 MG/L		U	.02 MG/L		U						
POTASSIUM				3.51 MG/L		-	3.06 MG/L		-						
SELENIUM				.0025 MG/L		UJ	.002 MG/L		UJ						
SILICON							3.91 MG/L		-						
SILVER				.004 MG/L		U	.005 MG/L		U						
SODIUM				11.9 MG/L		-	11.1 MG/L		-						
THALLIUM				.002 MG/L		U	.002 MG/L		U						
VANADIUM				.003 MG/L		U	.01 MG/L		U						
ZINC				.0105 MG/L		U	.0334 MG/L		U						
RADIONUCLIDES															
URANIUM-238							18.7 PCI/L	3.1	NV						
URANIUM, TOTAL							53.1 UG/L	7.1	NV				57 UG/L		NV
URANIUM-234							20.5 PCI/L	3.3	NV						
THORIUM-230							1 PCI/L		NV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236							1.45 PCI/L	.7	NV						
THORIUM-232							1 PCI/L		NV						
THORIUM, TOTAL							3.2 UG/L		NV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							1 PCI/L		NV						
NEPTUNIUM-237							1 PCI/L		NV						
PLUTONIUM-239/240							1 PCI/L		NV						
PLUTONIUM-238							1 PCI/L		NV						
STRONTIUM-90							5 PCI/L		NV						
TECHNETIUM-99							30 PCI/L		NV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							20 PCI/L		NV						

SAMPLE NUMBER:	GW930916-1			GW930916-1			068235			068235			068236		
LAB:	NET			NET			IT			IT			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930726-1	GW930726-1	GW930726-1	GW930726-1	068214
TASK:	RCRA	RCRA	RCRA	RCRA	3.11
LAB:	CORE	FERMCO	NET	NET	WEMCO
WELL OR BORING NUMBER:	2106	2106	2106	2106	2106
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-JUL-93	26-JUL-93	26-JUL-93	26-JUL-93	28-AUG-91
NORTH COORDINATE:	476096.82	476096.82	476096.82	476096.82	476096.82
EAST COORDINATE:	1379580.27	1379580.27	1379580.27	1379580.27	1379580.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										238 MG/L		-			
AMMONIA										.02 MG/L		-			
BICARBONATE ALKALINITY										299 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										28 MG/L		-			
FLUORIDE										.26 MG/L		-			
NITRATE/NITRITE										1.82 MG/L		J			
PH										7.71 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.17 MG/L		-			
SPECIFIC CONDUCTIVITY										611 UMHOS/CM		-			
SULFATE										56 MG/L		-			
TOTAL DISSOLVED SOLIDS							365 MG/L		-						
TOTAL ORGANIC CARBON										1 MG/L		-			
TOTAL ORGANIC HALOGENS										.01 MG/L		U			
TOTAL SOLIDS										464 MG/L		-			
INORGANICS															
ALUMINUM							.02 MG/L		U	.02 MG/L		U			
ANTIMONY							.03 MG/L		U	.03 MG/L		U			
ARSENIC							.003 MG/L		U	.003 MG/L		U			
BARIUM							.0427 MG/L		-	.0408 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.003 MG/L		U	.003 MG/L		U			
CALCIUM							84.7 MG/L		-	86.9 MG/L		-			
CHROMIUM							.006 MG/L		U	.006 MG/L		U			

SAMPLE NUMBER:	GW930726-1			GW930726-1			GW930726-1			GW930726-1			068214		
LAB:	CORE			FERMCO			NET			NET			WEMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT							.005 MG/L		U	.005 MG/L		U			
COPPER							.0068 MG/L		-	.0072 MG/L		U			
CYANIDE										.01 MG/L		U			
IRON							.0063 MG/L		UJ	.014 MG/L		U			
LEAD							.0022 MG/L		UJ	.002 MG/L		U			
MAGNESIUM							20.9 MG/L		-	21.2 MG/L		-			
MANGANESE							.002 MG/L		U	.002 MG/L		U			
MERCURY							.0002 MG/L		UJ	.0002 MG/L		U			
NICKEL							.01 MG/L		U	.01 MG/L		U			
POTASSIUM							2.77 MG/L		-	2.75 MG/L		-			
SELENIUM							.001 MG/L		UJ	.001 MG/L		UJ			
SILVER							.004 MG/L		U	.004 MG/L		U			
SODIUM							12.7 MG/L		-	12.7 MG/L		-			
THALLIUM							.002 MG/L		U	.002 MG/L		U			
VANADIUM							.003 MG/L		U	.003 MG/L		U			
ZINC							.0108 MG/L		-	.0228 MG/L		-			
PESTICIDES															
4,4'-DDD										.1 UG/L		U			
4,4'-DDE										.1 UG/L		U			
4,4'-DDT										.1 UG/L		U			
ALDRIN										.052 UG/L		U			
ALPHA-BHC										.052 UG/L		U			
ALPHA-CHLORDANE										.052 UG/L		U			
AROCLOR-1016										1 UG/L		U			
AROCLOR-1221										2.1 UG/L		U			
AROCLOR-1232										1 UG/L		U			
AROCLOR-1242										1 UG/L		U			
AROCLOR-1248										1 UG/L		U			
AROCLOR-1254										1 UG/L		U			
AROCLOR-1260										1 UG/L		U			
BETA-BHC										.052 UG/L		U			
DELTA-BHC										.052 UG/L		U			
DIELDRIN										.1 UG/L		U			
ENDOSULFAN II										.1 UG/L		U			
ENDOSULFAN SULFATE										.1 UG/L		U			
ENDOSULFAN-I										.052 UG/L		U			
ENDRIN										.1 UG/L		U			
ENDRIN ALDEHYDE										.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)										.052 UG/L		U			

SAMPLE NUMBER:	GW930726-1			GW930726-1			GW930726-1			GW930726-1			068214		
LAB:	CORE			FERMCO			NET			NET			WEMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
GAMMA-CHLORDANE										.052 UG/L		U			
HEPTACHLOR										.052 UG/L		U			
HEPTACHLOR EPOXIDE										.052 UG/L		U			
METHOXYCHLOR										.52 UG/L		U			
TOXAPHENE										5.2 UG/L		U			
RADIONUCLIDES															
URANIUM-238	24.1 PCI/L	3.2	-												
URANIUM, TOTAL	69.7 UG/L	4.9	-	61 UG/L		NV							54 UG/L		NV
URANIUM-234	22.1 PCI/L	3	-												
THORIUM-230	.3 PCI/L	.2	J												
RADIUM-226	1 PCI/L	.3	U												
URANIUM-235/236	1.4 PCI/L	.3	-												
THORIUM-232	.2 PCI/L	.1	U												
RADIUM-228	3 PCI/L	1.6	U												
THORIUM-228	.2 PCI/L	.2	U												
PLUTONIUM-239/240	.5 PCI/L	2.8	UNV												
PLUTONIUM-238	.5 PCI/L	2.3	UNV												
STRONTIUM-90	1 PCI/L	.4	U												
TECHNETIUM-99	15 PCI/L	8	U												
CESIUM-137	4 PCI/L	.7	UNV												
GROSS ALPHA	30.6 PCI/L	3.8	-												
GROSS BETA	36.9 PCI/L	3.6	-												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		U			
1,2-DICHLOROBENZENE										10 UG/L		U			
1,3-DICHLOROBENZENE										10 UG/L		U			
1,4-DICHLOROBENZENE										10 UG/L		U			
2,4,5-TRICHLOROPHENOL										25 UG/L		U			
2,4,6-TRICHLOROPHENOL										10 UG/L		U			
2,4-DICHLOROPHENOL										10 UG/L		U			
2,4-DIMETHYLPHENOL										10 UG/L		U			
2,4-DINITROPHENOL										25 UG/L		UR			
2,4-DINITROTOLUENE										10 UG/L		U			
2,6-DINITROTOLUENE										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		U			
2-CHLOROPHENOL										10 UG/L		U			
2-METHYLNAPHTHALENE										10 UG/L		U			
2-METHYLPHENOL										10 UG/L		U			

SAMPLE NUMBER:	GW930726-1			GW930726-1			GW930726-1			GW930726-1			068214		
LAB:	CORE			FERMCO			NET			NET			WEMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-NITROANILINE										25 UG/L		U			
2-NITROPHENOL										10 UG/L		U			
3,3'-DICHLOROBENZIDINE										10 UG/L		U			
3-NITROANILINE										25 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL										25 UG/L		U			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLORO-3-METHYLPHENOL										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			
4-NITROANILINE										25 UG/L		U			
4-NITROPHENOL										25 UG/L		U			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		U			
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		U			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		UJ			
BIS(2-ETHYLHEXYL)PHTHALATE										10 UG/L		U			
BUTYL BENZYL PHTHALATE										10 UG/L		UJ			
CARBAZOLE										10 UG/L		UJ			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										10 UG/L		U			
DI-N-OCTYL PHTHALATE										10 UG/L		U			
DIBENZO(A,H)ANTHRACENE										10 UG/L		U			
DIBENZOFURAN										10 UG/L		U			
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		U			
HEXACHLOROBENZENE										10 UG/L		U			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		U			
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		U			
ISOPHORONE										10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			

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SAMPLE NUMBER:	GW930726-1			GW930726-1			GW930726-1			GW930726-1			068214		
LAB:	CORE			FERMCO			NET			NET			WEMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		U			
PENTACHLOROPHENOL										25 UG/L		UJ			
PHENANTHRENE										10 UG/L		U			
PHENOL										10 UG/L		U			
PYRENE										10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		UJ			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		UR			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			

SAMPLE NUMBER:	GW930726-1			GW930726-1			GW930726-1			GW930726-1			068214		
LAB:	CORE			FERMCO			NET			NET			WEMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004101	004101	119328F	119331F	119369
TASK:	3.2.4	3.2.4	50.03.22	50.03.22	50.03.22
LAB:	IT	IT	CORE	FERMCO	DATACHEM
WELL OR BORING NUMBER:	2106	2106	21063	21063	21064
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-APR-89	30-APR-89	25-JUL-93	25-JUL-93	27-JUL-93
NORTH COORDINATE:	476096.82	476096.82	475839.24	475839.24	478443.48
EAST COORDINATE:	1379580.27	1379580.27	1381581.99	1381581.99	1379482.59
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													310 MG/L		-
AMMONIA				.1 MG/L		U							.05 MG/L		U
CHLORIDE				25.5 MG/L		-							13 MG/L		J
FLUORIDE				.31 MG/L		-							.1 MG/L		U
NITRATE				1.37 MG/L		J							1.7 MG/L		J
NITRATE/NITRITE													1.7 MG/L		J
PHENOLS				.01 MG/L		U							.002 MG/L		UJ
PHOSPHORUS				.57 MG/L		-							.07 MG/L		-
SULFATE				73.1 MG/L		J							45 MG/L		-
SULFIDE													1 MG/L		U
TOTAL KJELDAHL NITROGEN				.198 MG/L		-							.1 MG/L		U
TOTAL ORGANIC CARBON													1 MG/L		U
TOTAL ORGANIC HALIDES				.01 MG/L		U							.01 MG/L		UJ
TOTAL ORGANIC NITROGEN				.198 MG/L		J							.1 MG/L		U
INORGANICS															
ALUMINUM													.0405 MG/L		U
ANTIMONY													.045 MG/L		UJ
ARSENIC	.002 MG/L		U										.001 MG/L		U
BARIUM	.0417 MG/L		-										.0459 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM	.0029 MG/L		-										.003 MG/L		U
CALCIUM	112 MG/L		-										103 MG/L		-
CHROMIUM	.0161 MG/L		U										.0113 MG/L		UJ
COBALT													.0065 MG/L		-
COPPER	.0108 MG/L		-										.0072 MG/L		-

SAMPLE NUMBER:	004101			004101			119328F			119331F			119369		
LAB:	IT			IT			CORE			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE													.01 MG/L		U
IRON	.0455 MG/L		U										.176 MG/L		U
LEAD	.002 MG/L		R										.001 MG/L		UJ
MAGNESIUM	23.8 MG/L		-										26.1 MG/L		-
MANGANESE	.0154 MG/L		-										.104 MG/L		-
MERCURY	.0002 MG/L		U										.0002 MG/L		U
MOLYBDENUM	.01 MG/L		U												
NICKEL	.02 MG/L		U										.019 MG/L		U
POTASSIUM	3.7 MG/L		-										2.39 MG/L		-
SELENIUM	.002 MG/L		R										.0011 MG/L		UJ
SILVER	.0005 MG/L		U										.003 MG/L		UJ
SODIUM	12.32 MG/L		-										6.75 MG/L		-
THALLIUM													.001 MG/L		U
VANADIUM													.004 MG/L		U
ZINC													.0248 MG/L		U
RADIONUCLIDES															
URANIUM-238				4 PCI/L	.8	-	.4 PCI/L	.3	J						
URANIUM, TOTAL				16 UG/L	4	-	1 UG/L	.1	-	1.1 UG/L		NV			
URANIUM-234				4.5 PCI/L	.8	-	.4 PCI/L	.3	J						
THORIUM-230				1 PCI/L		U	.3 PCI/L	.2	UJ						
RADIUM-226				1 PCI/L		U	1 PCI/L	.3	UJ						
URANIUM-235/236				1 PCI/L		U	.2 PCI/L	.1	UJ						
THORIUM-232				1 PCI/L		U	.3 PCI/L	.2	UJ						
THORIUM, TOTAL				5 UG/L		U									
RADIUM-228				3 PCI/L		UJ	3 PCI/L	.8	U						
THORIUM-228				1 PCI/L		U	.2 PCI/L	.2	UJ						
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		U	2.1 PCI/L	1.4	R						
PLUTONIUM-238				1 PCI/L		U	.8 PCI/L	1.7	R						
STRONTIUM-90				5 PCI/L		U	1 PCI/L	.5	UJ						
TECHNETIUM-99				30 PCI/L		U	15 PCI/L	7.1	U						
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R	4 PCI/L	.6	UJ						
GROSS ALPHA							2 PCI/L	1.2	UNV						
GROSS BETA							5.7 PCI/L	1.8	NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U

SAMPLE NUMBER:	004101			004101			119328F			119331F			119369		
LAB:	IT			IT			CORE			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													25 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U
2,4-DINITROPHENOL													25 UG/L		U
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													25 UG/L		U
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													10 UG/L		U
3-NITROANILINE													25 UG/L		U
4,6-DINITRO-2-METHYLPHENOL													25 UG/L		U
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													25 UG/L		U
4-NITROPHENOL													25 UG/L		U
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		U
BUTYL BENZYL PHTHALATE													10 UG/L		U
CARBAZOLE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													10 UG/L		U
DI-N-OCTYL PHTHALATE													10 UG/L		U

SAMPLE NUMBER:	004101			004101			119328F			119331F			119369		
LAB:	IT			IT			CORE			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIBENZO(A,H)ANTHRACENE													10 UG/L		U
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		UJ
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		U
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													25 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL				.01 MG/L		U							10 UG/L		U
PYRENE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													11 UG/L		-
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		U
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													2 UG/L		J
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U

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SAMPLE NUMBER:	004101			004101			119328F			119331F			119369		
LAB:	IT			IT			CORE			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													13 UG/L		-
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	119369F	119370	119370F	119372	119372F
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	50.03.22
LAB:	DATACHEM	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	21064	21064	21064	21064	21064
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-JUL-93	27-JUL-93	27-JUL-93	27-JUL-93	27-JUL-93
NORTH COORDINATE:	478443.48	478443.48	478443.48	478443.48	478443.48
EAST COORDINATE:	1379482.59	1379482.59	1379482.59	1379482.59	1379482.59
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:			119374F		
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	.0195 MG/L		U												
ANTIMONY	.045 MG/L		UJ												
ARSENIC	.001 MG/L		U												
BARIUM	.0462 MG/L		-												
BERYLLIUM	.001 MG/L		U												
CADMIUM	.003 MG/L		U												
CALCIUM	105 MG/L		-												
CHROMIUM	.0085 MG/L		UJ												
COBALT	.006 MG/L		U												
COPPER	.004 MG/L		U												
CYANIDE	.01 MG/L		U												
IRON	.0471 MG/L		U												
LEAD	.001 MG/L		UJ												
MAGNESIUM	26.6 MG/L		-												
MANGANESE	.0795 MG/L		-												
MERCURY	.0002 MG/L		U												
NICKEL	.019 MG/L		U												
POTASSIUM	2.5 MG/L		-												
SELENIUM	.0011 MG/L		UJ												
SILVER	.003 MG/L		UJ												
SODIUM	7.17 MG/L		-												
THALLIUM	.001 MG/L		U												
VANADIUM	.004 MG/L		U												
ZINC	.0219 MG/L		U												
RADIONUCLIDES															

URANIUM-238 .2 PCI/L .3 UJ | .2 PCI/L .3 UJ

SAMPLE NUMBER:	119369F			119370			119370F			119372			119372F		
LAB:	DATACHEM			CORE			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL				.7 UG/L	.1	-	.5 UG/L	.1	-	.6 UG/L		NV	.6 UG/L		NV
URANIUM-234				.3 PCI/L	.2	J	.4 PCI/L	.3	J						
THORIUM-230				.3 PCI/L	.2	UJ	.3 PCI/L	.2	UJ						
RADIUM-226				1 PCI/L	.4	UJ	1 PCI/L	.2	UJ						
URANIUM-235/236				.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ						
THORIUM-232				.6 PCI/L	.2	J	.2 PCI/L	.1	UJ						
THORIUM, TOTAL				5.472 PCI/L	.2	NV									
RADIUM-228				3 PCI/L	1	U	3 PCI/L	.9	U						
THORIUM-228				.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ						
PLUTONIUM-239/240				1.4 PCI/L	1.2	R	.2 PCI/L	1.2	R						
PLUTONIUM-238				2.8 PCI/L	.7	R	.4 PCI/L	.9	R						
STRONTIUM-90				1 PCI/L	.4	UJ	1 PCI/L	.5	UJ						
TECHNETIUM-99				15 PCI/L	7.4	U	15 PCI/L	6.7	U						
CESIUM-137				20 PCI/L	12.9	UJ	4 PCI/L	.8	UJ						
GROSS ALPHA				2 PCI/L	1	UNV	2.4 PCI/L	1.2	UNV						
GROSS BETA				6.1 PCI/L	1.4	NV	4.9 PCI/L	1.5	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	119373	119374	119374F	119376	119363
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	50.03.22
LAB:	DATACHEM	CORE	CORE	FERMCO	DATACHEM
WELL OR BORING NUMBER:	21064	21064	21064	21064	21065
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-JUL-93	27-JUL-93	27-JUL-93	27-JUL-93	26-JUL-93
NORTH COORDINATE:	478443.48	478443.48	478443.48	478443.48	478483.28
EAST COORDINATE:	1379482.59	1379482.59	1379482.59	1379482.59	1380037.41
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL
QC OF:	119369	119370	119370F	119372	
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	310 MG/L		-										320 MG/L		-
AMMONIA	.05 MG/L		U										.05 MG/L		U
CHLORIDE	13 MG/L		J										14 MG/L		J
FLUORIDE	.1 MG/L		U										.1 MG/L		U
NITRATE/NITRITE	1.7 MG/L		J										.28 MG/L		J
PHENOLS	.002 MG/L		UJ										.002 MG/L		UJ
PHOSPHORUS	.05 MG/L		U										.08 MG/L		-
SULFATE	44 MG/L		-										95 MG/L		-
SULFIDE	1 MG/L		U										1 MG/L		U
TOTAL KJELDAHL NITROGEN	.1 MG/L		U										.8 MG/L		J
TOTAL ORGANIC CARBON	1 MG/L		U										1 MG/L		UJ
TOTAL ORGANIC HALIDES	.01 MG/L		UJ										.01 MG/L		UJ
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
INORGANICS															
ALUMINUM	.0532 MG/L		U										.102 MG/L		U
ANTIMONY	.045 MG/L		UJ										.045 MG/L		U
ARSENIC	.001 MG/L		U										.001 MG/L		U
BARIUM	.0474 MG/L		-										.0518 MG/L		-
BERYLLIUM	.001 MG/L		U										.001 MG/L		U
CADMIUM	.003 MG/L		U										.003 MG/L		U
CALCIUM	108 MG/L		-										122 MG/L		-
CHROMIUM	.0076 MG/L		UJ										.0089 MG/L		U
COBALT	.006 MG/L		U										.006 MG/L		U
COPPER	.004 MG/L		U										.004 MG/L		U
CYANIDE	.01 MG/L		U										.01 MG/L		U

SAMPLE NUMBER:	119373			119374			119374F			119376			119363		
LAB:	DATACHEM			CORE			CORE			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	.153 MG/L		U										2.27 MG/L		-
LEAD	.001 MG/L		UJ										.001 MG/L		UJ
MAGNESIUM	27.2 MG/L		-										32.3 MG/L		-
MANGANESE	.104 MG/L		-										.37 MG/L		-
MERCURY	.0002 MG/L		U										.0002 MG/L		U
NICKEL	.019 MG/L		U										.019 MG/L		U
POTASSIUM	2.34 MG/L		-										2.63 MG/L		-
SELENIUM	.0013 MG/L		UJ										.001 MG/L		UJ
SILVER	.003 MG/L		UJ										.003 MG/L		UJ
SODIUM	6.82 MG/L		-										7.67 MG/L		-
THALLIUM	.001 MG/L		U										.001 MG/L		U
VANADIUM	.004 MG/L		U										.004 MG/L		U
ZINC	.0204 MG/L		U										.0076 MG/L		-
RADIONUCLIDES															
URANIUM-238				.2 PCI/L	.4	UJ	.2 PCI/L	.3	UJ						
URANIUM, TOTAL				.7 UG/L	.1	-	.5 UG/L	.1	-	.6 UG/L		NV			
URANIUM-234				.3 PCI/L	.3	J	.4 PCI/L	.3	J						
THORIUM-230				.3 PCI/L	.2	UJ	.3 PCI/L	.2	UJ						
RADIUM-226				1 PCI/L	.3	UJ	1 PCI/L	.3	UJ						
URANIUM-235/236				.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ						
THORIUM-232				.3 PCI/L	.2	UJ	.2 PCI/L	.1	UJ						
RADIUM-228				3 PCI/L	1	U	3 PCI/L	1	U						
THORIUM-228				.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ						
PLUTONIUM-239/240							3 PCI/L	6	R						
PLUTONIUM-238							6.1 PCI/L	12.5	R						
STRONTIUM-90				1.5 PCI/L	.9	UJ	1.9 PCI/L	1.2	UJ						
TECHNETIUM-99				15 PCI/L	7.3	U	15 PCI/L	7.2	U						
CESIUM-137				4 PCI/L	1.7	UJ	4 PCI/L	2	UJ						
GROSS ALPHA				2.1 PCI/L	1.1	UNV	2.1 PCI/L	1.2	UNV						
GROSS BETA				5.2 PCI/L	2.1	NV	69.7 PCI/L	2.9	NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,3-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
1,4-DICHLOROBENZENE	10 UG/L		U										10 UG/L		U
2,4,5-TRICHLOROPHENOL	25 UG/L		U										25 UG/L		U
2,4,6-TRICHLOROPHENOL	10 UG/L		U										10 UG/L		U
2,4-DICHLOROPHENOL	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	119373			119374			119374F			119376			119363		
LAB:	DATACHEM			CORE			CORE			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DIMETHYLPHENOL	10 UG/L		U										10 UG/L		U
2,4-DINITROPHENOL	25 UG/L		U										25 UG/L		U
2,4-DINITROTOLUENE	10 UG/L		U										10 UG/L		U
2,6-DINITROTOLUENE	10 UG/L		U										10 UG/L		U
2-CHLORONAPHTHALENE	10 UG/L		U										10 UG/L		U
2-CHLOROPHENOL	10 UG/L		U										10 UG/L		U
2-METHYLNAPHTHALENE	10 UG/L		U										10 UG/L		U
2-METHYLPHENOL	10 UG/L		U										10 UG/L		U
2-NITROANILINE	25 UG/L		U										25 UG/L		U
2-NITROPHENOL	10 UG/L		U										10 UG/L		U
3,3'-DICHLOROBENZIDINE	10 UG/L		U										10 UG/L		U
3-NITROANILINE	25 UG/L		U										25 UG/L		U
4,6-DINITRO-2-METHYLPHENOL	25 UG/L		U										25 UG/L		U
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U										10 UG/L		U
4-CHLORO-3-METHYLPHENOL	10 UG/L		U										10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U										10 UG/L		U
4-METHYLPHENOL	10 UG/L		U										10 UG/L		U
4-NITROANILINE	25 UG/L		U										25 UG/L		U
4-NITROPHENOL	25 UG/L		U										25 UG/L		U
ACENAPHTHENE	10 UG/L		U										10 UG/L		U
ACENAPHTHYLENE	10 UG/L		U										10 UG/L		U
ANTHRACENE	10 UG/L		U										10 UG/L		U
BENZO(A)ANTHRACENE	10 UG/L		U										10 UG/L		U
BENZO(A)PYRENE	10 UG/L		U										10 UG/L		U
BENZO(B)FLUORANTHENE	10 UG/L		U										10 UG/L		U
BENZO(G,H,I)PERYLENE	10 UG/L		U										10 UG/L		U
BENZO(K)FLUORANTHENE	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U										10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U										10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U										10 UG/L		U
BUTYL BENZYL PHTHALATE	10 UG/L		U										1 UG/L		J
CARBAZOLE	10 UG/L		U										10 UG/L		U
CHRYSENE	10 UG/L		U										10 UG/L		U
DI-N-BUTYL PHTHALATE	10 UG/L		U										10 UG/L		U
DI-N-OCTYL PHTHALATE	10 UG/L		U										10 UG/L		U
DIBENZO(A,H)ANTHRACENE	10 UG/L		U										10 UG/L		U
DIBENZOFURAN	10 UG/L		U										10 UG/L		U
DIETHYL PHTHALATE	10 UG/L		U										10 UG/L		U
DIMETHYL PHTHALATE	10 UG/L		U										10 UG/L		U
FLUORANTHENE	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	119373			119374			119374F			119376			119363		
LAB:	DATACHEM			CORE			CORE			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORENE	10 UG/L		U										10 UG/L		U
HEXACHLOROBENZENE	10 UG/L		U										10 UG/L		U
HEXACHLOROBUTADIENE	10 UG/L		U										10 UG/L		U
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UJ										10 UG/L		UJ
HEXACHLOROETHANE	10 UG/L		U										10 UG/L		U
INDENO(1,2,3-CD)PYRENE	10 UG/L		U										10 UG/L		U
ISOPHORONE	10 UG/L		U										10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U										10 UG/L		U
N-NITROSODIPHENYLAMINE	10 UG/L		U										10 UG/L		U
NAPHTHALENE	10 UG/L		U										10 UG/L		U
NITROBENZENE	10 UG/L		U										10 UG/L		U
P-CHLOROANILINE	10 UG/L		U										10 UG/L		U
PENTACHLOROPHENOL	25 UG/L		U										25 UG/L		U
PHENANTHRENE	10 UG/L		U										10 UG/L		U
PHENOL	10 UG/L		U										10 UG/L		U
PYRENE	10 UG/L		U										10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1,2-TRICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1-DICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1-DICHLOROETHENE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U										10 UG/L		U
1,2-DICHLOROPROPANE	10 UG/L		U										10 UG/L		U
2-BUTANONE	10 UG/L		U										10 UG/L		UJ
2-HEXANONE	10 UG/L		U										10 UG/L		UJ
4-METHYL-2-PENTANONE	10 UG/L		U										10 UG/L		U
ACETONE	10 UG/L		U										10 UG/L		UJ
BENZENE	10 UG/L		U										10 UG/L		U
BROMODICHLOROMETHANE	10 UG/L		U										10 UG/L		U
BROMOFORM	10 UG/L		U										10 UG/L		U
BROMOMETHANE	10 UG/L		U										10 UG/L		U
CARBON DISULFIDE	10 UG/L		U										10 UG/L		U
CARBON TETRACHLORIDE	10 UG/L		U										10 UG/L		U
CHLOROBENZENE	10 UG/L		U										10 UG/L		U
CHLOROETHANE	10 UG/L		U										10 UG/L		U
CHLOROFORM	10 UG/L		U										10 UG/L		U
CHLOROMETHANE	10 UG/L		U										10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	119373			119374			119374F			119376			119363		
LAB:	DATACHEM			CORE			CORE			FERMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
DIBROMOCHLOROMETHANE	10 UG/L		U										10 UG/L		U
ETHYLBENZENE	10 UG/L		U										10 UG/L		U
METHYLENE CHLORIDE	10 UG/L		U										10 UG/L		U
STYRENE	10 UG/L		U										10 UG/L		U
TETRACHLOROETHENE	10 UG/L		U										10 UG/L		U
TOLUENE	10 UG/L		U										10 UG/L		U
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U										10 UG/L		U
TRICHLOROETHENE	10 UG/L		U										10 UG/L		U
VINYL CHLORIDE	10 UG/L		U										10 UG/L		U
XYLENES, TOTAL	10 UG/L		U										10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	119363F	119365	119365F	120033	120033
TASK:	50.03.22	50.03.22	50.03.22	50.03.23	50.03.23
LAB:	DATACHEM	CORE	CORE	CORE	CORE
WELL OR BORING NUMBER:	21065	21065	21065	2107	2107
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-JUL-93	26-JUL-93	26-JUL-93	03-JUN-93	03-JUN-93
NORTH COORDINATE:	478483.28	478483.28	478483.28	478567.08	478567.08
EAST COORDINATE:	1380037.41	1380037.41	1380037.41	1378527.61	1378527.61
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM	.014 MG/L		U												
ANTIMONY	.045 MG/L		U												
ARSENIC	.001 MG/L		U												
BARIUM	.0496 MG/L		-												
BERYLLIUM	.001 MG/L		U												
CADMIUM	.003 MG/L		U												
CALCIUM	121 MG/L		-												
CHROMIUM	.014 MG/L		-												
COBALT	.006 MG/L		U												
COPPER	.004 MG/L		U												
CYANIDE	.01 MG/L		U												
IRON	1.91 MG/L		-												
LEAD	.0094 MG/L		J												
MAGNESIUM	31.9 MG/L		-												
MANGANESE	.363 MG/L		-												
MERCURY	.0002 MG/L		U												
NICKEL	.019 MG/L		U												
POTASSIUM	2.73 MG/L		-												
SELENIUM	.001 MG/L		U												
SILVER	.003 MG/L		UJ												
SODIUM	7.64 MG/L		-												
THALLIUM	.001 MG/L		U												
VANADIUM	.004 MG/L		U												
ZINC	.006 MG/L		U												
RADIONUCLIDES															

URANIUM-238				1.3 PCI/L	.3	J	1.4 PCI/L	1.1	J	2 PCI/L	.4	J	2.5 PCI/L	.5	-
SAMPLE NUMBER:	119363F			119365			119365F			120033			120033		
LAB:	DATACHEM			CORE			CORE			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL				3.8 UG/L	.3	-	3.9 UG/L	.3	-	6.3 UG/L	.4	-	6.6 UG/L	.5	-
URANIUM-234				1.3 PCI/L	.7	J	1.7 PCI/L	.5	J	2 PCI/L	.4	J	2.1 PCI/L	.5	-
THORIUM-230				.4 PCI/L	.2	-	.2 PCI/L	.2	UJ	.4 PCI/L	.3	J	.4 PCI/L	.3	-
RADIUM-226				1 PCI/L	.3	UJ	1.2 PCI/L	.6	U	1 PCI/L	.3	UJ	1 PCI/L	.3	U
URANIUM-235/236				.2 PCI/L	.5	UJ	.2 PCI/L	.1	UJ	.2 PCI/L	.3	UJ	.2 PCI/L	.3	U
THORIUM-232				.3 PCI/L	.4	-	.2 PCI/L	.5	UJ	.2 PCI/L	.2	UJ	.2 PCI/L	.1	U
THORIUM, TOTAL				2.73605644 PCI/L	.4	NV	1.82400992 PCI/L	.5	NV						
RADIUM-228				3 PCI/L	1.2	UJ	3 PCI/L	1.1	U	3 PCI/L	1.2	U	3.7 PCI/L	1.4	-
THORIUM-228				.3 PCI/L	.5	-	.2 PCI/L	.5	UJ	.2 PCI/L	.2	UJ	.2 PCI/L	.2	U
GROSS ALPHA										9 PCI/L	2.1	NV	3.8 PCI/L	2.4	UNV
GROSS BETA										4.8 PCI/L	2.8	UNV	3.6 PCI/L	2.2	UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120033	120033	120033	120033	004106
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.2.4
LAB:	FERMCO	NET	NET	WMCO	IT
WELL OR BORING NUMBER:	2107	2107	2107	2107	2107
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-JUN-93	03-JUN-93	03-JUN-93	03-JUN-93	03-MAY-89
NORTH COORDINATE:	478567.08	478567.08	478567.08	478567.08	478567.08
EAST COORDINATE:	1378527.61	1378527.61	1378527.61	1378527.61	1378527.61
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							256 MG/L		-						
AMMONIA							.03 MG/L		-						
BICARBONATE ALKALINITY							342 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE							14 MG/L		-						
FLUORIDE							.22 MG/L		-						
NITRATE/NITRITE							.89 MG/L		J						
PH							7.61 SU		-						
PHENOLS							.01 MG/L		UJ						
PHOSPHORUS							.1 MG/L		U						
SPECIFIC CONDUCTIVITY							593 UMHOS/CM		-						
SULFATE							61 MG/L		-						
TOTAL DISSOLVED SOLIDS				361 MG/L		-									
TOTAL KJELDAHL NITROGEN							.1 MG/L		UJ						
TOTAL ORGANIC CARBON							1 MG/L		UJ						
TOTAL ORGANIC HALOGENS							.01 MG/L		UJ						
TOTAL ORGANIC NITROGEN							.1 MG/L		UJ						
TOTAL SOLIDS							408 MG/L		-						
INORGANICS															
ALUMINUM				.02 MG/L		U	.0433 MG/L		U				.0683 MG/L		-
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.002 MG/L		U	.003 MG/L		U				.002 MG/L		U
BARIUM				.0405 MG/L		-	.0386 MG/L		-				.0417 MG/L		-
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						
CADMIUM				.003 MG/L		U	.003 MG/L		U				.0033 MG/L		-

SAMPLE NUMBER:	120033			120033			120033			120033			004106		
LAB:	FERMCO			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				88.8 MG/L		-	88.1 MG/L		-				92.2 MG/L		-
CHROMIUM				.005 MG/L		U	.005 MG/L		U				.01 MG/L		U
COBALT				.008 MG/L		U	.008 MG/L		U						
COPPER				.0081 MG/L		U	.0056 MG/L		U				.0131 MG/L		-
CYANIDE				.01 MG/L		UJ	.01 MG/L		UJ						
IRON				.0278 MG/L		U	.0525 MG/L		U				.0358 MG/L		-
LEAD				.001 MG/L		U	.001 MG/L		UJ				.0024 MG/L		R
MAGNESIUM				21.4 MG/L		U	21.4 MG/L		-				22.9 MG/L		-
MANGANESE				.0026 MG/L		U	.0025 MG/L		U				.0269 MG/L		-
MERCURY				.0002 MG/L		U	.0002 MG/L		U				.001 MG/L		-
MOLYBDENUM													.01 MG/L		U
NICKEL				.02 MG/L		U	.02 MG/L		U				.02 MG/L		U
POTASSIUM				1.94 MG/L		-	1.95 MG/L		-				1.7 MG/L		-
SELENIUM				.001 MG/L		UJ	.001 MG/L		UJ				.002 MG/L		R
SILICON													3.73 MG/L		-
SILVER				.007 MG/L		UJ	.007 MG/L		U				.0005 MG/L		U
SODIUM				7.53 MG/L		-	7.48 MG/L		-				6.18 MG/L		-
THALLIUM				.002 MG/L		U	.002 MG/L		U						
VANADIUM				.003 MG/L		U	.003 MG/L		U				.01 MG/L		U
ZINC				.0138 MG/L		U	.0522 MG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL	5.7 UG/L		NV							5.5 UG/L		NV			
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		UJ						
BENZENE							10 UG/L		UJ						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						

SAMPLE NUMBER:	120033			120033			120033			120033			004106		
LAB:	FERMCO			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		UJ						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		UJ						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		UJ						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		UJ						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							1 UG/L		J						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004106			004019			004019			EMGW_SYSGEN_731			EMGW_SYSGEN_730		
TASK:	3.2.4			3.2.4			3.2.4			GWMON			GWMON		
LAB:	IT			IT			IT			NET			IT		
WELL OR BORING NUMBER:	2107			2107			2107			2107			2107		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	03-MAY-89			14-MAR-89			14-MAR-89			15-OCT-90			17-APR-90		
NORTH COORDINATE:	478567.08			478567.08			478567.08			478567.08			478567.08		
EAST COORDINATE:	1378527.61			1378527.61			1378527.61			1378527.61			1378527.61		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										276 MG/L		NV			
AMMONIA	.1 MG/L		U				.4 MG/L		UJ	.02 MG/L		UNV			
CHLORIDE	19.1 MG/L		-				22 MG/L		UJ	12 MG/L		NV			
FLUORIDE	.155 MG/L		-				.2 MG/L		J	.24 MG/L		NV			
NITRATE	.1 MG/L		U				1.5 MG/L		J	1.3 MG/L		NV			
NITRATE/NITRITE										1.3 MG/L		NV			
PH	.0512 MG/L		-				.005 MG/L		UJ	7.17 SU		NV			
PHENOLS	.0512 MG/L		-				.005 MG/L		UJ	.005 MG/L		UNV			
PHOSPHORUS	1.25 MG/L		-				.74 MG/L		J	.32 MG/L		NV			
SPECIFIC CONDUCTIVITY										606 UMHOS/CM		NV			
SULFATE	73.9 MG/L		J				49 MG/L		J	50 MG/L		NV			
SULFIDE	37.2 MG/L		-												
TOTAL DISSOLVED SOLIDS										420 MG/L		NV			
TOTAL KJELDAHL NITROGEN	.643 MG/L		-				1 MG/L		J						
TOTAL ORGANIC CARBON	1 MG/L		UJ							2 MG/L		NV			
TOTAL ORGANIC HALIDES	.01 MG/L		U				.05 MG/L		UJ						
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	.643 MG/L		-				.6 MG/L		J						
INORGANICS															
ARSENIC				.003 MG/L		UJ									
BARIUM				.041 MG/L		J									
CADMIUM				.005 MG/L		UJ									
CALCIUM				90 MG/L		J									
CHROMIUM				.02 MG/L		J									
COPPER				.01 MG/L		UJ									

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SAMPLE NUMBER:	004106			004019			004019			EMGW_SYSGEN_731			EMGW_SYSGEN_730		
LAB:	IT			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE										.005 MG/L		UNV			
IRON				.05 MG/L		UJ									
LEAD				.002 MG/L		UJ									
MAGNESIUM				20 MG/L		J									
MANGANESE				.015 MG/L		J									
MERCURY				.0002 MG/L		UJ									
MOLYBDENUM				.01 MG/L		UJ									
NICKEL				.03 MG/L		UJ									
POTASSIUM				2.8 MG/L		J									
SELENIUM				.005 MG/L		UJ									
SILVER				.01 MG/L		UJ									
SODIUM				8.7 MG/L		J									
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	3.2 PCI/L	.6	-				5 PCI/L	.8	J				2.16 PCI/L		NV
URANIUM, TOTAL	9 UG/L	2	-				14 UG/L	2	J				4.18 UG/L		NV
URANIUM-234	2.4 PCI/L	.5	-				5.2 PCI/L	.8	J				1.54 PCI/L		NV
THORIUM-230	1 PCI/L		U				1 PCI/L		UJ				.486 PCI/L		NV
RADIUM-226	1 PCI/L		U				1 PCI/L		UJ				1 PCI/L		UNV
URANIUM-235/236	1 PCI/L		U				1 PCI/L		UJ				.2 PCI/L		UNV
THORIUM-232	1 PCI/L		U				1 PCI/L		UJ				.27 PCI/L		UNV
THORIUM, TOTAL	2 UG/L		U				3 UG/L		UJ				2.5 UG/L		UNV
RADIUM-228	3 PCI/L		UJ				3 PCI/L		UJ				3 PCI/L		UNV
THORIUM-228	1 PCI/L		U				1 PCI/L		UJ				.27 PCI/L		UNV
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		UJ						
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		UJ						
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		UJ						
STRONTIUM-90	5 PCI/L		U				5 PCI/L		UJ						
TECHNETIUM-99	37.9 PCI/L		UJ				30 PCI/L		UJ						
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R						
CESIUM-137	20 PCI/L		R				20 PCI/L		R						
GROSS ALPHA													19.6 PCI/L	.0111	NV
GROSS BETA													27.4 PCI/L		UNV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			

SAMPLE NUMBER:	004106			004019			004019			EMGW_SYSGEN_731			EMGW_SYSGEN_730		
LAB:	IT			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_730	EMGW_SYSGEN_730D	004237	004237	120039
TASK:	GWMON	GWMON	3.2.4	3.2.4	50.03.23
LAB:	NET	IT	IT	IT	CORE
WELL OR BORING NUMBER:	2107	2107	2107	2107	2108
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-APR-90	17-APR-90	23-APR-90	23-APR-90	07-JUN-93
NORTH COORDINATE:	478567.08	478567.08	478567.08	478567.08	480056.37
EAST COORDINATE:	1378527.61	1378527.61	1378527.61	1378527.61	1377920.72
QA TYPE:	NORMAL	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:		EMGW_SYSGEN_730			
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		U			
CHLORIDE	6 MG/L		NV							4 MG/L		J			
FLUORIDE										.2 MG/L		-			
NITRATE	.69 MG/L		NV							.5 MG/L		J			
NITRATE, AS NITROGEN	.69 MG/L		NV												
PHENOLS										.005 MG/L		U			
PHOSPHORUS										.3 MG/L		-			
SULFATE	45 MG/L		NV							38.2 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON	2 MG/L		NV							2 MG/L		-			
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN										.1 MG/L		J			
INORGANICS															
ALUMINUM							.076 MG/L		-						
ARSENIC							.002 MG/L		U						
BARIUM							.036 MG/L		-						
CADMIUM							.004 MG/L		-						
CALCIUM							104 MG/L		-						
CHROMIUM							.02 MG/L		-						
COPPER							.013 MG/L		-						
IRON							.012 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							26.2 MG/L		-						
MANGANESE							.005 MG/L		-						
MERCURY							.0002 MG/L		U						

SAMPLE NUMBER:	EMGW_SYSGEN_730			EMGW_SYSGEN_730D			004237			004237			120039		
LAB:	NET			IT			IT			IT			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM							.01 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							1.33 MG/L		-						
SELENIUM							.003 MG/L		U						
SILICON							2.3 MG/L		-						
SILVER							.01 MG/L		U						
SODIUM							2.71 MG/L		-						
VANADIUM							.013 MG/L		-						
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				1.92 PCI/L		NV				1.14 PCI/L	.31	-	9.1 PCI/L	1.3	-
URANIUM, TOTAL				5.25 UG/L		NV				3.44 UG/L	.97	J	24.7 UG/L	1.7	-
URANIUM-234				1.81 PCI/L		NV				1 PCI/L		U	8.9 PCI/L	1.3	-
THORIUM-230				15 PCI/L		NV				1 PCI/L		U	.2 PCI/L	.2	UJ
RADIUM-226				1.02 PCI/L		NV				1 PCI/L		R	1 PCI/L	.3	U
URANIUM-235/236				.2 PCI/L		UNV				1 PCI/L		U	.4 PCI/L	.3	-
THORIUM-232				.5 PCI/L		UNV				1 PCI/L		U	.3 PCI/L	.2	UJ
THORIUM, TOTAL				4.5 UG/L		UNV				1.3 UG/L		U	2.736 PCI/L	.2	NV
RADIUM-228				3 PCI/L		UNV				3 PCI/L		UJ	3 PCI/L	1.5	U
THORIUM-228				.898 PCI/L		NV				1 PCI/L		U	.2 PCI/L	.2	UJ
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		UJ			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA				.0183 PCI/L	.0111	UNV							8.2 PCI/L	2	NV
GROSS BETA				.0246 PCI/L		UNV							7 PCI/L	1.9	NV
SEMIVOLATILES															
1,3-DICHLOROBENZENE	1 UG/L		UNV												
1,4-DICHLOROBENZENE	1 UG/L		UNV												
2-CHLOROETHYLVINYL ETHER	60 UG/L		UNV												

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VOLATILES

1,1,1-TRICHLOROETHANE 1 UG/L UNV
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_730			EMGW_SYSGEN_730D			004237			004237			120039		
LAB:	NET			IT			IT			IT			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
TRICHLOROFLUOROMETHANE	1 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120039	120039	120039	120039	066852
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	9.25
LAB:	CORE	FERMCO	NET	NET	IT
WELL OR BORING NUMBER:	2108	2108	2108	2108	2108
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-JUN-93	07-JUN-93	07-JUN-93	07-JUN-93	13-DEC-89
NORTH COORDINATE:	480056.37	480056.37	480056.37	480056.37	480056.37
EAST COORDINATE:	1377920.72	1377920.72	1377920.72	1377920.72	1377920.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										344 MG/L		-			
AMMONIA										.3 MG/L		-			
BICARBONATE ALKALINITY										470 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										14 MG/L		-			
FLUORIDE										.18 MG/L		-			
NITRATE/NITRITE										1.72 MG/L		J			
PH										7.43 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.1 MG/L		U			
SPECIFIC CONDUCTIVITY										786 UMHOS/CM		-			
SULFATE										63 MG/L		-			
TOTAL DISSOLVED SOLIDS							445 MG/L		-						
TOTAL KJELDAHL NITROGEN										.1 MG/L		UJ			
TOTAL ORGANIC CARBON										1 MG/L		UJ			
TOTAL ORGANIC HALOGENS										.01 MG/L		UJ			
TOTAL ORGANIC NITROGEN										.1 MG/L		UJ			
TOTAL SOLIDS										466 MG/L		-			
INORGANICS															
ALUMINUM							.0258 MG/L		U	.093 MG/L		U			
ANTIMONY							.045 MG/L		U	.045 MG/L		U			
ARSENIC							.002 MG/L		U	.0026 MG/L		U			
BARIUM							.0416 MG/L		-	.0422 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.003 MG/L		U	.003 MG/L		U			

SAMPLE NUMBER:	120039			120039			120039			120039			066852		
LAB:	CORE			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM							112 MG/L		-	121 MG/L		-			
CHROMIUM							.005 MG/L		U	.005 MG/L		U			
COBALT							.008 MG/L		U	.008 MG/L		U			
COPPER							.0079 MG/L		U	.007 MG/L		U			
CYANIDE							.01 MG/L		UJ	.01 MG/L		UJ			
IRON							.0481 MG/L		U	.404 MG/L		-			
LEAD							.0018 MG/L		U	.0032 MG/L		UJ			
MAGNESIUM							23.9 MG/L		-	27.5 MG/L		-			
MANGANESE							.0023 MG/L		U	.0284 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.02 MG/L		U	.02 MG/L		U			
POTASSIUM							1.23 MG/L		-	1.27 MG/L		-			
SELENIUM							.001 MG/L		UJ	.0024 MG/L		J			
SILVER							.007 MG/L		UJ	.007 MG/L		U			
SODIUM							7.21 MG/L		-	7.75 MG/L		-			
THALLIUM							.002 MG/L		U	.002 MG/L		U			
VANADIUM							.003 MG/L		U	.003 MG/L		U			
ZINC							.0265 MG/L		U	.0185 MG/L		U			
RADIONUCLIDES															
URANIUM-238	7.7 PCI/L	1	-										10.4 PCI/L	1.3	-
URANIUM, TOTAL	21.8 UG/L	1.5	-	20 UG/L		NV							29.1 UG/L	5	-
URANIUM-234	7.7 PCI/L	1	-										8.81 PCI/L	1.16	-
THORIUM-230	.2 PCI/L	.3	UJ										1 PCI/L		U
RADIUM-226	12.3 PCI/L	1.3	-												
URANIUM-235/236	.6 PCI/L	.8	-										1 PCI/L		U
THORIUM-232	.4 PCI/L	.2	U												
RADIUM-228	3 PCI/L	1.1	U												
THORIUM-228	.3 PCI/L	.3	U										1 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
GROSS ALPHA	16.6 PCI/L	3.3	NV												
GROSS BETA	5.7 PCI/L	3.2	UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			

SAMPLE NUMBER:	120039			120039			120039			120039			066852		
LAB:	CORE			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		UJ			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_735	EMGW_SYSGEN_735	004018	004018	EMGW_SYSGEN_736
TASK:	GWMON	GWMON	3.2.4	3.2.4	GWMON
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	2108	2108	2108	2108	2108
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-APR-90	19-APR-90	22-MAR-89	22-MAR-89	25-OCT-90
NORTH COORDINATE:	480056.37	480056.37	480056.37	480056.37	480056.37
EAST COORDINATE:	1377920.72	1377920.72	1377920.72	1377920.72	1377920.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.305 MG/L		-			
CHLORIDE				7 MG/L		NV				20.49 MG/L		-			
FLUORIDE										.22 MG/L		-			
NITRATE				1.99 MG/L		NV				3.73 MG/L		J			
NITRATE, AS NITROGEN				1.99 MG/L		NV									
PHENOLS										.01 MG/L		U			
PHOSPHORUS										11.4 MG/L		-			
SULFATE				44 MG/L		NV				50.36 MG/L		-			
TOTAL KJELDAHL NITROGEN										3.23 MG/L		-			
TOTAL ORGANIC CARBON				1 MG/L		NV									
TOTAL ORGANIC HALIDES										.0097 MG/L		-			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										2.92 MG/L		-			
INORGANICS															
ARSENIC							.002 MG/L		U						
BARIUM							.0447 MG/L		-						
CADMIUM							.001 MG/L		U						
CALCIUM							109 MG/L		-						
CHROMIUM							.0174 MG/L		-						
COPPER							.013 MG/L		U						
IRON							.034 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							26.2 MG/L		-						
MANGANESE							.0148 MG/L		-						
MERCURY							.00087 MG/L		-						

SAMPLE NUMBER:	EMGW_SYSGEN_735			EMGW_SYSGEN_735			004018			004018			EMGW_SYSGEN_736		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM							.003 MG/L		U						
NICKEL							.0105 MG/L		-						
POTASSIUM							1.95 MG/L		-						
SELENIUM							.002 MG/L		U						
SILVER							.002 MG/L		U						
SODIUM							7.34 MG/L		-						
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	6.27 PCI/L		NV							10.4 PCI/L	1.5	-	9.92 PCI/L		NV
URANIUM, TOTAL	21 UG/L		NV							32 UG/L	5	-	26.6 UG/L		NV
URANIUM-234	6.7 PCI/L		NV							11 PCI/L	1.5	-	9.94 PCI/L		NV
THORIUM-230	.54 PCI/L		UNV							1 PCI/L		U	.597 PCI/L		NV
RADIUM-226	1 PCI/L		UNV							1 PCI/L		U	1 PCI/L		UNV
URANIUM-235/236	.291 PCI/L		NV							1 PCI/L		U	.957 PCI/L		NV
THORIUM-232	.54 PCI/L		UNV							1 PCI/L		U	.35 PCI/L		UNV
THORIUM, TOTAL	4.9 UG/L		UNV							3 UG/L		U	3.1 UG/L		UNV
RADIUM-228	3 PCI/L		UNV							3 PCI/L		UJ	3 PCI/L		UNV
THORIUM-228	.54 PCI/L		UNV							1 PCI/L		U	.571 PCI/L		NV
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		UJ			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA	47.1 PCI/L	.0156	NV										20.5 PCI/L		NV
GROSS BETA	27.7 PCI/L		UNV										11.7 PCI/L		NV
SEMIVOLATILES															
1,3-DICHLOROBENZENE				1 UG/L		UNV									
1,4-DICHLOROBENZENE				1 UG/L		UNV									
2-CHLOROETHYLVINYL ETHER				60 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_735			EMGW_SYSGEN_735			004018			004018			EMGW_SYSGEN_736		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
TRICHLOROFLUOROMETHANE				1 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_736	EMGW_SYSGEN_736D	EMGW_SYSGEN_736D	004108	004108
TASK:	GWMON	GWMON	GWMON	3.2.4	3.2.4
LAB:	NET	IT	NET	IT	IT
WELL OR BORING NUMBER:	2108	2108	2108	2108	2108
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-OCT-90	25-OCT-90	25-OCT-90	31-MAY-89	31-MAY-89
NORTH COORDINATE:	480056.37	480056.37	480056.37	480056.37	480056.37
EAST COORDINATE:	1377920.72	1377920.72	1377920.72	1377920.72	1377920.72
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	NORMAL	NORMAL
QC OF:		EMGW_SYSGEN_736	EMGW_SYSGEN_736		
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	176 MG/L		NV				158 MG/L		NV						
AMMONIA	.02 MG/L		UNV				.02 MG/L		UNV				.1 MG/L		U
CHLORIDE	25 MG/L		NV				25 MG/L		NV				14 MG/L		-
FLUORIDE	.32 MG/L		NV				.27 MG/L		NV				.265 MG/L		J
NITRATE	2.4 MG/L		NV				2.34 MG/L		NV				1.97 MG/L		J
NITRATE/NITRITE	2.4 MG/L		NV				2.34 MG/L		NV						
PH	7.33 SU		NV				7.29 SU		NV				.01 MG/L		U
PHENOLS	.005 MG/L		UNV				.005 MG/L		UNV				.01 MG/L		U
PHOSPHORUS	.29 MG/L		NV				.35 MG/L		NV				1.31 MG/L		-
SPECIFIC CONDUCTIVITY	577 UMHOS/CM		NV				572 UMHOS/CM		NV						
SULFATE	52 MG/L		NV				52 MG/L		NV				59.2 MG/L		-
SULFIDE													44.2 MG/L		-
TOTAL DISSOLVED SOLIDS	384 MG/L		NV				528 MG/L		NV						
TOTAL KJELDAHL NITROGEN													.614 MG/L		-
TOTAL ORGANIC CARBON	4 MG/L		NV				3 MG/L		NV				1 MG/L		U
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.614 MG/L		J
INORGANICS															
ALUMINUM										.0105 MG/L		-			
ARSENIC										.002 MG/L		U			
BARIUM										.0448 MG/L		-			
CADMIUM										.0041 MG/L		-			
CALCIUM										110 MG/L		-			
CHROMIUM										.0416 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_736			EMGW_SYSGEN_736D			EMGW_SYSGEN_736D			004108			004108		
LAB:	NET			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER										.0132 MG/L		-			
CYANIDE	.006 MG/L		NV				.005 MG/L		UNV						
IRON										.0359 MG/L		-			
LEAD										.002 MG/L		UJ			
MAGNESIUM										27.2 MG/L		-			
MANGANESE										.0144 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			
NICKEL										.0154 MG/L		-			
POTASSIUM										2.06 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILICON										3.69 MG/L		J			
SILVER										.0154 MG/L		-			
SODIUM										11 MG/L		-			
VANADIUM										.0197 MG/L		-			
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238				9.74 PCI/L		NV							13.2 PCI/L	1.8	-
URANIUM, TOTAL				30.9 UG/L		NV							37 UG/L	6	-
URANIUM-234				8.8 PCI/L		NV							13.2 PCI/L	1.8	-
THORIUM-230				.788 PCI/L		NV							1 PCI/L		U
RADIUM-226				1.86 PCI/L		NV							1 PCI/L		U
URANIUM-235/236				.639 PCI/L		NV							1 PCI/L		U
THORIUM-232				.53 PCI/L		UNV							1 PCI/L		U
THORIUM, TOTAL				4.8 UG/L		UNV							2 UG/L		U
RADIUM-228				3 PCI/L		UNV							3 PCI/L		U
THORIUM-228				.53 PCI/L		UNV							1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
GROSS ALPHA				11 PCI/L		UNV									
GROSS BETA				12.5 PCI/L		NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV				10 UG/L		UNV						
07/25/94															
SAMPLE NUMBER:	EMGW_SYSGEN_736			EMGW_SYSGEN_736D			EMGW_SYSGEN_736D			004108			004108		
LAB:	NET			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV						
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV						
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV						
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV						
ACETONE	2 UG/L		UNV				2 UG/L		UNV						
BENZENE	1 UG/L		UNV				1 UG/L		UNV						
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV						
BROMOMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV						
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV						
CHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV						
METHYLENE CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
STYRENE	1 UG/L		UNV				1 UG/L		UNV						
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TOLUENE	1 UG/L		UNV				1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
VINYL ACETATE	2 UG/L		UNV				2 UG/L		UNV						
VINYL CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV						

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004096			004096			004144			004144			066794		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			9.25		
LAB:	IT			IT			IT			IT			WMCO		
WELL OR BORING NUMBER:	2109			2109			2109			2109			2109		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-JUN-89			04-JUN-89			04-JUN-89			04-JUN-89			06-DEC-89		
NORTH COORDINATE:	480492.35			480492.35			480492.35			480492.35			480492.35		
EAST COORDINATE:	1381798.38			1381798.38			1381798.38			1381798.38			1381798.38		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.255 MG/L		-			
CHLORIDE				22 MG/L		-				26 MG/L		-			
FLUORIDE				.18 MG/L		J				.18 MG/L		J			
NITRATE				.1 MG/L		R				.18 MG/L		R			
PHENOLS				.01 MG/L		U				.01 MG/L		U			
PHOSPHORUS				.408 MG/L		-				.258 MG/L		-			
SULFATE				810 MG/L		-				864 MG/L		-			
SULFIDE				45.3 MG/L		J				34.4 MG/L		J			
TOTAL KJELDAHL NITROGEN				.146 MG/L		-				.628 MG/L		-			
TOTAL ORGANIC CARBON				1 MG/L		U				1 MG/L		U			
TOTAL ORGANIC HALIDES				.0448 MG/L		-				.01 MG/L		U			
TOTAL ORGANIC NITROGEN				.146 MG/L		-				.373 MG/L		-			
INORGANICS															
ALUMINUM	.26 MG/L		-				.2301 MG/L		-						
ARSENIC	.002 MG/L		U				.0026 MG/L		-						
BARIUM	.0825 MG/L		-				.0673 MG/L		-						
CADMIUM	.0112 MG/L		-				.0107 MG/L		-						
CALCIUM	419 MG/L		-				367 MG/L		-						
CHROMIUM	.095 MG/L		-				.0886 MG/L		-						
COPPER	.0208 MG/L		-				.0198 MG/L		-						
IRON	4.69 MG/L		-				3.37 MG/L		-						
LEAD	.002 MG/L		UJ				.002 MG/L		UJ				.005 MG/L		UNV
MAGNESIUM	73 MG/L		-				64.2 MG/L		-						
MANGANESE	1.86 MG/L		-				1.62 MG/L		-						
MERCURY	.0005 MG/L		-				.0002 MG/L		U						

SAMPLE NUMBER:	004096			004096			004144			004144			066794		
LAB:	IT			IT			IT			IT			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			F-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.01 MG/L		U				.01 MG/L		U						
NICKEL	.0344 MG/L		-				.0395 MG/L		-						
POTASSIUM	4.4 MG/L		-				4.52 MG/L		-						
SELENIUM	.002 MG/L		UJ				.002 MG/L		UJ						
SILICON	5.45 MG/L		-				5.35 MG/L		-						
SILVER	.01 MG/L		U				.0108 MG/L		-						
SODIUM	14 MG/L		-				14.9 MG/L		-						
VANADIUM	.0485 MG/L		-				.0441 MG/L		-						
RADIONUCLIDES															
URANIUM-238				11.8 PCI/L	1.9	-				11.6 PCI/L	1.8	-			
URANIUM, TOTAL				37 UG/L	8	-				34 UG/L	6	-			
URANIUM-234				12.5 PCI/L	2	-				11.9 PCI/L	1.8	-			
THORIUM-230				1 PCI/L		U				1 PCI/L		U			
RADIUM-226				1 PCI/L		U				1 PCI/L		U			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL				5 UG/L		U				5 UG/L		U			
RADIUM-228				3 PCI/L		UJ				3 PCI/L		UJ			
THORIUM-228				1 PCI/L		U				1 PCI/L		U			
NEPTUNIUM-237				1 PCI/L		UJ				1 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		UJ				1 PCI/L		UJ			
PLUTONIUM-238				1 PCI/L		UJ				1 PCI/L		UJ			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		UJ				150 PCI/L		UJ			
CESIUM-137				20 PCI/L		UJ				20 PCI/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	066794	066853	EMGW_SYSGEN_742	EMGW_SYSGEN_742	120063-1
TASK:	9.25	9.25	GWMON	GWMON	50.03.23
LAB:	WMCO	IT	IT	NET	NET
WELL OR BORING NUMBER:	2109	2109	2109	2109	2109
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-DEC-89	06-DEC-89	06-MAR-91	06-MAR-91	10-JUN-93
NORTH COORDINATE:	480492.35	480492.35	480492.35	480492.35	480492.35
EAST COORDINATE:	1381798.38	1381798.38	1381798.38	1381798.38	1381798.38
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										262 MG/L		NV			
AMMONIA										.08 MG/L		NV			
CHLORIDE										20 MG/L		NV			
FLUORIDE										.16 MG/L		NV			
NITRATE, AS NITROGEN										.02 MG/L		UNV			
PH										7.43 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										.24 MG/L		NV			
SPECIFIC CONDUCTIVITY										745 UMHOS/CM		NV			
SULFATE										167 MG/L		NV			
TOTAL DISSOLVED SOLIDS										472 MG/L		NV	881 MG/L		J
TOTAL ORGANIC CARBON										9 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ALUMINUM										.5 MG/L		UNV	.02 MG/L		U
ANTIMONY										.025 MG/L		UNV	.045 MG/L		U
ARSENIC										.0025 MG/L		UNV	.003 MG/L		UJ
BARIUM										.2 MG/L		UNV	.0449 MG/L		-
BERYLLIUM										.01 MG/L		UNV	.001 MG/L		U
CADMIUM										.001 MG/L		UNV	.003 MG/L		U
CALCIUM										88 MG/L		NV	170 MG/L		-
CHROMIUM										.007 MG/L		NV	.005 MG/L		U
COBALT										.025 MG/L		UNV	.008 MG/L		U
COPPER										.025 MG/L		UNV	.0067 MG/L		U
CYANIDE										.005 MG/L		UNV	.01 MG/L		UJ

SAMPLE NUMBER:	066794			066853			EMGW_SYSGEN_742			EMGW_SYSGEN_742			120063-1		
LAB:	WMCO			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON										1.87 MG/L		NV	3.54 MG/L		-
LEAD	.2 MG/L		UNV							.005 MG/L		UNV	.002 MG/L		UJ
MAGNESIUM										29.7 MG/L		NV	34.2 MG/L		-
MANGANESE										.171 MG/L		NV	.451 MG/L		-
MERCURY										.0002 MG/L		UNV	.0002 MG/L		U
MOLYBDENUM										.025 MG/L		UNV			
NICKEL										.007 MG/L		NV	.02 MG/L		U
POTASSIUM										2.96 MG/L		NV	3 MG/L		U
SELENIUM										.0025 MG/L		UNV	.001 MG/L		UJ
SILVER										.001 MG/L		UNV	.007 MG/L		UJ
SODIUM										15.8 MG/L		NV	12.2 MG/L		-
THALLIUM										.01 MG/L		UNV	.002 MG/L		U
VANADIUM										.05 MG/L		UNV	.003 MG/L		U
ZINC										.02 MG/L		UNV	.0156 MG/L		U
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				3.39 PCI/L	.58	R	4.1 PCI/L		NV						
URANIUM, TOTAL				13 UG/L	2.4	R	12.3 UG/L		NV						
URANIUM-234				4.01 PCI/L	.65	R	5.55 PCI/L		NV						
THORIUM-230				1 PCI/L		R	.27 PCI/L		UNV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236				1 PCI/L		R	.341 PCI/L		NV						
THORIUM-232							.27 PCI/L		UNV						
THORIUM, TOTAL							2.4 UG/L		UNV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228				1 PCI/L		R	.817 PCI/L		NV						
NEPTUNIUM-237							.5 PCI/L		UNV						
PLUTONIUM-239/240							.5 PCI/L		UNV						
PLUTONIUM-238							.5 PCI/L		UNV						
TECHNETIUM-99				32.4 PCI/L	16.2	R	15 PCI/L		UNV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							7.8 PCI/L		UNV						
GROSS ALPHA							12.9 PCI/L		NV						
GROSS BETA							13.2 PCI/L		NV						
SEMIVOLATILES															

2-CHLOROETHYLVINYL ETHER
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	066794			066853			EMGW_SYSGEN_742			EMGW_SYSGEN_742			120063-1		
LAB:	WMCO			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE	2.5 UG/L		UNV							1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE	2.5 UG/L		UNV							1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE	2.5 UG/L		UNV							1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE	2.5 UG/L		UNV							1 UG/L		UNV			
TOLUENE	2.5 UG/L		UNV							1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE	2.5 UG/L		UNV							1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL	2.5 UG/L		UNV							1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120063-1	120063-2	120063	120063	120063
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	NET	FERMCO	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	2109	2109	2109	2109	2109
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-JUN-93	10-JUN-93	10-JUN-93	10-JUN-93	10-JUN-93
NORTH COORDINATE:	480492.35	480492.35	480492.35	480492.35	480492.35
EAST COORDINATE:	1381798.38	1381798.38	1381798.38	1381798.38	1381798.38
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	256 MG/L		-												
AMMONIA	.06 MG/L		-												
BICARBONATE ALKALINITY	360 MG/L		-												
CARBONATE ALKALINITY	3 MG/L		U												
CHLORIDE	20 MG/L		-												
FLUORIDE	.18 MG/L		-												
NITRATE/NITRITE	.02 MG/L		U												
PH	7.04 SU		-												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.1 MG/L		U												
SPECIFIC CONDUCTIVITY	1060 UMHOS/CM		-												
SULFATE	740 MG/L		-												
TOTAL KJELDAHL NITROGEN	.16 MG/L		-												
TOTAL ORGANIC CARBON	1 MG/L		U												
TOTAL ORGANIC HALIDES	.037 MG/L		-												
TOTAL ORGANIC NITROGEN	.1 MG/L		-												
TOTAL SOLIDS	890 MG/L		-												
INORGANICS															
ALUMINUM	.06 MG/L		-												
ANTIMONY	.045 MG/L		U												
ARSENIC	.003 MG/L		U												
BARIUM	.0443 MG/L		-												
BERYLLIUM	.001 MG/L		U												
CADMIUM	.003 MG/L		U												
CALCIUM	165 MG/L		-												

SAMPLE NUMBER:	120063-1			120063-2			120063			120063			120063		
LAB:	NET			FERMCO			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM	.0081 MG/L		-												
COBALT	.008 MG/L		U												
COPPER	.0074 MG/L		U												
CYANIDE	.01 MG/L		U												
IRON	3.9 MG/L		-												
LEAD	.002 MG/L		U												
MAGNESIUM	33.9 MG/L		-												
MANGANESE	.436 MG/L		-												
MERCURY	.0002 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	2.77 MG/L		U												
SELENIUM	.005 MG/L		U												
SILVER	.007 MG/L		UJ												
SODIUM	12.5 MG/L		J												
THALLIUM	.002 MG/L		U												
VANADIUM	.003 MG/L		U												
ZINC	.0129 MG/L		U												
RADIONUCLIDES															
URANIUM-238							1.5 PCI/L	.4	-	2 PCI/L	.3	-			
URANIUM, TOTAL				6 UG/L		NV	5.7 UG/L	.4	-	5.7 UG/L	.4	-	5.6 UG/L		NV
URANIUM-234							2 PCI/L	.4	-	2.6 PCI/L	.4	-			
THORIUM-230							.2 PCI/L	.2	UJ	.3 PCI/L	.3	J			
RADIUM-226							1 PCI/L	.3	U	1.5 PCI/L	.4	-			
URANIUM-235/236							.2 PCI/L	.3	U	.2 PCI/L	.8	U			
THORIUM-232							.5 PCI/L	.3	J	.3 PCI/L	.1	U			
THORIUM, TOTAL							4.5600122 PCI/L	.3	NV						
RADIUM-228							3 PCI/L		U	3 PCI/L	1.1	U			
THORIUM-228							.2 PCI/L	.2	UJ	.3 PCI/L	.3	-			
GROSS ALPHA							4.5 PCI/L	2.6	UNV	6.4 PCI/L	3.6	UNV			
GROSS BETA							4.5 PCI/L	3.6	UNV	6.3 PCI/L	3.8	UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												

SAMPLE NUMBER:	120063-1			120063-2			120063			120063			120063		
LAB:	NET			FERMCO			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		U												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120063	EMGW_SYSGEN_737	EMGW_SYSGEN_737	EMGW_SYSGEN_737	004025
TASK:	50.03.23	GWMON	GWMON	GWMON	3.2.4
LAB:	FERMCO	IT	NET	NET	IT
WELL OR BORING NUMBER:	2109	2109	2109	2109	2109
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-JUN-93	12-MAR-90	12-MAR-90	12-MAR-90	18-JAN-89
NORTH COORDINATE:	480492.35	480492.35	480492.35	480492.35	480492.35
EAST COORDINATE:	1381798.38	1381798.38	1381798.38	1381798.38	1381798.38
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM													.375 MG/L		U
ANTIMONY													.0025 MG/L		-
ARSENIC													.002 MG/L		U
BARIUM													.0695 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM													.0079 MG/L		-
CALCIUM													126 MG/L		-
CHROMIUM													.0339 MG/L		-
COBALT													.01 MG/L		U
COPPER													.0142 MG/L		-
IRON													1.99 MG/L		-
LEAD							.005 MG/L		UNV	.018 MG/L		NV	.002 MG/L		UJ
MAGNESIUM													30.6 MG/L		-
MANGANESE													.237 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.02 MG/L		U
NICKEL													.033 MG/L		-
POTASSIUM													2.81 MG/L		U
SELENIUM													.002 MG/L		UJ
SILVER													.0005 MG/L		UJ
SODIUM													13.3 MG/L		-
THALLIUM													.002 MG/L		UJ
VANADIUM													.0187 MG/L		-
ZINC													.268 MG/L		-
RADIONUCLIDES															

4.05 PCI/L NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120063			EMGW_SYSGEN_737			EMGW_SYSGEN_737			EMGW_SYSGEN_737			004025		
LAB:	FERMCO			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	6 UG/L		NV	12.1 UG/L		NV									
URANIUM-234				4.05 PCI/L		NV									
URANIUM-235/236				.22 PCI/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
BENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										5 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004025	004025	004025	EMGW_SYSGEN_741	EMGW_SYSGEN_741
TASK:	3.2.4	3.2.4	3.2.4	GWMON	GWMON
LAB:	IT	IT	IT	IT	NET
WELL OR BORING NUMBER:	2109	2109	2109	2109	2109
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-JAN-89	18-JAN-89	18-JAN-89	20-DEC-90	20-DEC-90
NORTH COORDINATE:	480492.35	480492.35	480492.35	480492.35	480492.35
EAST COORDINATE:	1381798.38	1381798.38	1381798.38	1381798.38	1381798.38
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-UNF	NONE-UNF	R-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													326 MG/L		NV
AMMONIA													.12 MG/L		NV
CHLORIDE													19 MG/L		NV
FLUORIDE													.16 MG/L		NV
NITRATE/NITRITE													.02 MG/L		UNV
PH				10 UG/L		U							7.27 SU		NV
PHENOLS													.005 MG/L		UNV
PHOSPHORUS													.68 MG/L		NV
SPECIFIC CONDUCTIVITY													718 UMHOS/CM		NV
SULFATE													93 MG/L		NV
TOTAL DISSOLVED SOLIDS													486 MG/L		NV
TOTAL ORGANIC CARBON													6 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
INORGANICS															
CYANIDE				.01 MG/L		U							.005 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
PESTICIDES															
4,4'-DDD	1 UG/L		R	.1 UG/L		U									
4,4'-DDE	1 UG/L		R	.1 UG/L		U									
4,4'-DDT	1 UG/L		R	.1 UG/L		U									

SAMPLE NUMBER:	004025			004025			004025			EMGW_SYSGEN_741			EMGW_SYSGEN_741		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			R-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ALDRIN	.5 UG/L		R	.05 UG/L		U									
ALPHA-BHC	.5 UG/L		R	.05 UG/L		U									
ALPHA-CHLORDANE	5 UG/L		R	.5 UG/L		U									
AROCLOR-1016	5 UG/L		R	.5 UG/L		U									
AROCLOR-1221	5 UG/L		R	.5 UG/L		U									
AROCLOR-1232	5 UG/L		R	.5 UG/L		U									
AROCLOR-1242	5 UG/L		R	.5 UG/L		U									
AROCLOR-1248	5 UG/L		R	.5 UG/L		U									
AROCLOR-1254	10 UG/L		R	1 UG/L		U									
AROCLOR-1260	10 UG/L		R	1 UG/L		U									
BETA-BHC	.5 UG/L		R	.05 UG/L		U									
DELTA-BHC	.5 UG/L		R	.05 UG/L		U									
DIELDRIN	1 UG/L		R	.1 UG/L		U									
ENDOSULFAN II	1 UG/L		R	.1 UG/L		U									
ENDOSULFAN SULFATE	1 UG/L		R	.1 UG/L		U									
ENDOSULFAN-I	.5 UG/L		R	.05 UG/L		U									
ENDRIN	1 UG/L		R	.1 UG/L		U									
ENDRIN KETONE	1 UG/L		R	.1 UG/L		U									
GAMMA-BHC (LINDANE)	.5 UG/L		R	.05 UG/L		U									
GAMMA-CHLORDANE	5 UG/L		R	.5 UG/L		U									
HEPTACHLOR	.5 UG/L		R	.05 UG/L		U									
HEPTACHLOR EPOXIDE	.5 UG/L		R	.05 UG/L		U									
METHOXYCHLOR	5 UG/L		R	.5 UG/L		U									
TOXAPHENE	10 UG/L		R	1 UG/L		U									
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				4.27 PCI/L		NV			
URANIUM, TOTAL				2 UG/L	1	-				10.5 UG/L		NV			
URANIUM-234				1 PCI/L		U				5.66 PCI/L		NV			
THORIUM-230				1 PCI/L		U				.78 PCI/L		UNV			
RADIUM-226				1 PCI/L		U				1 PCI/L		UNV			
URANIUM-235/236				1 PCI/L		U				.315 PCI/L		NV			
THORIUM-232				1 PCI/L		U				.78 PCI/L		UNV			
THORIUM, TOTAL				6 UG/L		U				7.1 UG/L		UNV			
RADIUM-228				3 PCI/L		U				3 PCI/L		UNV			
THORIUM-228				1 PCI/L		U				1.87 PCI/L		NV			
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		U									

SAMPLE NUMBER:	004025			004025			004025			EMGW_SYSGEN_741			EMGW_SYSGEN_741		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			R-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA										14 PCI/L		UNV			
GROSS BETA										29.2 PCI/L		NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U									
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE				10 UG/L		U									
2,4,5-TRICHLOROPHENOL				50 UG/L		U									
2,4,6-TRICHLOROPHENOL				10 UG/L		U									
2,4-DICHLOROPHENOL				10 UG/L		U									
2,4-DIMETHYLPHENOL				10 UG/L		U									
2,4-DINITROPHENOL				50 UG/L		UJ									
2,4-DINITROTOLUENE				10 UG/L		U									
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL				10 UG/L		U									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				50 UG/L		U									
2-NITROPHENOL				10 UG/L		U									
3,3'-DICHLOROBENZIDINE				20 UG/L		U									
3-NITROANILINE				50 UG/L		UJ									
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U									
4-CHLORO-3-METHYLPHENOL				10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				50 UG/L		UJ									
4-NITROPHENOL				50 UG/L		U									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									
BENZO(A)ANTHRACENE				10 UG/L		U									
BENZO(A)PYRENE				10 UG/L		U									
BENZO(B)FLUORANTHENE				10 UG/L		U									
BENZO(G,H,I)PERYLENE				10 UG/L		U									
BENZO(K)FLUORANTHENE				10 UG/L		U									

SAMPLE NUMBER:	004025			004025			004025			EMGW_SYSGEN_741			EMGW_SYSGEN_741		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			R-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZOIC ACID				50 UG/L		U									
BENZYL ALCOHOL				10 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				14 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				10 UG/L		-									
DI-N-OCTYL PHTHALATE				10 UG/L		U									
DIBENZO(A,H)ANTHRACENE				10 UG/L		U									
DIBENZOFURAN				10 UG/L		U									
DIETHYL PHTHALATE				10 UG/L		U									
DIMETHYL PHTHALATE				10 UG/L		U									
FLUORANTHENE				10 UG/L		U									
FLUORENE				10 UG/L		U									
HEXACHLOROBENZENE				10 UG/L		U									
HEXACHLOROBUTADIENE				10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				10 UG/L		UJ									
HEXACHLOROETHANE				10 UG/L		U									
INDENO(1,2,3-CD)PYRENE				10 UG/L		U									
ISOPHORONE				10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		UJ									
PENTACHLOROPHENOL				50 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		U							.005 MG/L		UNV
PYRENE				10 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
1,1,2-TRICHLOROETHANE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
1,1-DICHLOROETHANE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
1,1-DICHLOROETHENE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
1,2-DICHLOROETHANE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)				5 UG/L		U	5 UG/L		R				1 UG/L		UNV

SAMPLE NUMBER:	004025			004025			004025			EMGW_SYSGEN_741			EMGW_SYSGEN_741		
LAB:	IT			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			R-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
2-BUTANONE				10 UG/L		R	10 UG/L		R				2 UG/L		UNV
2-HEXANONE				10 UG/L		U	10 UG/L		R				2 UG/L		UNV
4-METHYL-2-PENTANONE				10 UG/L		U	10 UG/L		R				2 UG/L		UNV
ACETONE				10 UG/L		UJ	10 UG/L		R				2 UG/L		UNV
BENZENE				5 UG/L		UJ	5 UG/L		R				1 UG/L		UNV
BROMODICHLOROMETHANE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
BROMOFORM				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
BROMOMETHANE				10 UG/L		U	10 UG/L		R				1 UG/L		UNV
CARBON DISULFIDE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
CARBON TETRACHLORIDE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
CHLOROBENZENE				5 UG/L		UJ	5 UG/L		R				1 UG/L		UNV
CHLOROETHANE				10 UG/L		U	10 UG/L		R				1 UG/L		UNV
CHLOROFORM				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
CHLOROMETHANE				10 UG/L		U	10 UG/L		R				1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
DIBROMOCHLOROMETHANE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
ETHYLBENZENE				5 UG/L		UJ	5 UG/L		R				1 UG/L		UNV
METHYLENE CHLORIDE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
STYRENE				5 UG/L		UJ	5 UG/L		R				1 UG/L		UNV
TETRACHLOROETHENE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
TOLUENE				5 UG/L		UJ	5 UG/L		R				1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
TRICHLOROETHENE				5 UG/L		U	5 UG/L		R				1 UG/L		UNV
VINYL ACETATE				10 UG/L		U	10 UG/L		R				2 UG/L		UNV
VINYL CHLORIDE				10 UG/L		U	10 UG/L		R				1 UG/L		UNV
XYLENES, TOTAL				5 UG/L		UJ	5 UG/L		R				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_739	EMGW_SYSGEN_738	EMGW_SYSGEN_738	003528	EMGW_SYSGEN_740
TASK:	GWMON	GWMON	GWMON	3.2.4	GWMON
LAB:	NET	IT	NET	IT	NET
WELL OR BORING NUMBER:	2109	2109	2109	2109	2109
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-SEP-90	21-JUN-90	21-JUN-90	25-JAN-89	30-OCT-90
NORTH COORDINATE:	480492.35	480492.35	480492.35	480492.35	480492.35
EAST COORDINATE:	1381798.38	1381798.38	1381798.38	1381798.38	1381798.38
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	245 MG/L		NV												
CHLORIDE	21 MG/L		NV				19 MG/L		NV						
FLUORIDE	.28 MG/L		NV												
NITRATE, AS NITROGEN	.02 MG/L		UNV				.02 MG/L		UNV						
PH	7.23 SU		NV												
PHENOLS	.005 MG/L		UNV												
SPECIFIC CONDUCTIVITY	727 UMHOS/CM		NV												
SULFATE	150 MG/L		NV				99 MG/L		NV						
TOTAL DISSOLVED SOLIDS	525 MG/L		NV												
TOTAL ORGANIC CARBON	3 MG/L		NV				5 MG/L		NV						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.01 MG/L		UNV						
INORGANICS															
LEAD							.014 MG/L		NV				.015 MG/L		NV
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				3.78 PCI/L		NV									
URANIUM, TOTAL				12.4 UG/L		NV									
URANIUM-234				5.88 PCI/L		NV									
THORIUM-230				1.47 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_739			EMGW_SYSGEN_738			EMGW_SYSGEN_738			003528			EMGW_SYSGEN_740		
LAB:	NET			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-235/236				.61 PCI/L		UNV									
THORIUM-232				.56 PCI/L		UNV									
THORIUM, TOTAL				5.1 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				1.05 PCI/L		NV									
STRONTIUM-90										10.6 PCI/L	1.6	-			
GROSS ALPHA				28 PCI/L		UNV									
GROSS BETA				14.2 PCI/L		NV									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV						
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV						
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV						
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV						
ACETONE	2 UG/L		UNV				2 UG/L		UNV						
BENZENE	1 UG/L		UNV				1 UG/L		UNV				.5 UG/L		UNV
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV						
BROMOMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV						
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV						
CHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV				.5 UG/L		UNV
METHYLENE CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
STYRENE	1 UG/L		UNV				1 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_739			EMGW_SYSGEN_738			EMGW_SYSGEN_738			003528			EMGW_SYSGEN_740		
LAB:	NET			IT			NET			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TOLUENE	1 UG/L		UNV				1 UG/L		UNV				.5 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
VINYL ACETATE	2 UG/L		UNV				2 UG/L		UNV						
VINYL CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004094	004094	066854	003797	003797
TASK:	3.2.4	3.2.4	9.25	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2118	2118	2118	2118	2118
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-JUN-89	02-JUN-89	08-NOV-89	09-JAN-89	09-JAN-89
NORTH COORDINATE:	480013.14	480013.14	480013.14	480013.14	480013.14
EAST COORDINATE:	1381795.87	1381795.87	1381795.87	1381795.87	1381795.87
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.115 MG/L		J							.1 MG/L		UJ
CHLORIDE				22 MG/L		-							16 MG/L		J
FLUORIDE				.15 MG/L		J							.16 MG/L		J
NITRATE				.11 MG/L		J							.4 MG/L		J
PHENOLS				.0139 MG/L		J									
PHOSPHORUS				.774 MG/L		J							79.5 MG/L		R
SULFATE				624 MG/L		J							159 MG/L		-
SULFIDE				1 MG/L		UJ									
TOTAL KJELDAHL NITROGEN				.614 MG/L		J							.53 MG/L		J
TOTAL ORGANIC HALIDES				.01 MG/L		UJ									
TOTAL ORGANIC NITROGEN				.499 MG/L		J							.53 MG/L		J
INORGANICS															
ALUMINUM										.128 MG/L		-			
ANTIMONY										.0005 MG/L		U			
ARSENIC	.002 MG/L		U							.002 MG/L		U			
BARIUM	.066 MG/L		-							.057 MG/L		-			
BERYLLIUM										.001 MG/L		U			
CADMIUM	.0103 MG/L		-							.005 MG/L		U			
CALCIUM	316 MG/L		-							113 MG/L		J			
CHROMIUM	.0823 MG/L		-							.01 MG/L		U			
COBALT										.02 MG/L		U			
COPPER	.0187 MG/L		-							.01 MG/L		U			
IRON	3.24 MG/L		-							.654 MG/L		J			
LEAD	.002 MG/L		UJ							.002 MG/L		U			
MAGNESIUM	59.1 MG/L		-							28.9 MG/L		J			

SAMPLE NUMBER:	004094			004094			066854			003797			003797		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE	1.16 MG/L		-							.188 MG/L		J			
MERCURY	.0003 MG/L		-							.0002 MG/L		U			
MOLYBDENUM	.01 MG/L		U							.01 MG/L		U			
NICKEL	.0327 MG/L		-							.02 MG/L		U			
POTASSIUM	4.52 MG/L		-							2.49 MG/L		-			
SELENIUM	.002 MG/L		UJ							.002 MG/L		U			
SILVER	.0142 MG/L		-							.0005 MG/L		U			
SODIUM	9.16 MG/L		-							9.23 MG/L		J			
THALLIUM										.002 MG/L		UJ			
VANADIUM										.011 MG/L		-			
ZINC										.015 MG/L		-			
RADIONUCLIDES															
URANIUM-238				3.1 PCI/L	.6	J	1 PCI/L		UJ				2.2 PCI/L	.5	-
URANIUM, TOTAL				16 UG/L	3	-	5 UG/L	1	J				9 UG/L	1	-
URANIUM-234				4.7 PCI/L	.8	J	1 PCI/L		UJ				2.4 PCI/L	.5	-
THORIUM-230				1 PCI/L		U	1 PCI/L		U				1 PCI/L		U
RADIUM-226				1 PCI/L		U							2.4 PCI/L	.5	R
URANIUM-235/236				1 PCI/L		UJ	1 PCI/L		UJ				1 PCI/L		U
THORIUM-232				1 PCI/L		U							1 PCI/L		U
THORIUM, TOTAL				6 UG/L		U							2 UG/L		U
RADIUM-228				3 PCI/L		UJ							3 PCI/L		UJ
THORIUM-228				1 PCI/L		U	1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237				1 PCI/L		U							1 PCI/L		U
PLUTONIUM-239/240				1 PCI/L		U							1 PCI/L		U
PLUTONIUM-238				1 PCI/L		U							1 PCI/L		U
STRONTIUM-90				5 PCI/L		U							5 PCI/L		U
TECHNETIUM-99				30 PCI/L		UJ	30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106				150 PCI/L		R							150 PCI/L		R
CESIUM-137				20 PCI/L		R							20 PCI/L		R
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													50 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U

SAMPLE NUMBER:	004094			004094			066854			003797			003797		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DINITROPHENOL													50 UG/L		UJ
2,4-DINITROTOLUENE													10 UG/L		UJ
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													50 UG/L		UJ
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													20 UG/L		U
3-NITROANILINE													50 UG/L		U
4,6-DINITRO-2-METHYLPHENOL													50 UG/L		U
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													50 UG/L		U
4-NITROPHENOL													50 UG/L		UJ
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		UJ
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		UJ
BENZOIC ACID													50 UG/L		UJ
BENZYL ALCOHOL													10 UG/L		UJ
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		U
BUTYL BENZYL PHTHALATE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													4 UG/L		U
DI-N-OCTYL PHTHALATE													10 UG/L		U
DIBENZO(A,H)ANTHRACENE													10 UG/L		U
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U
FLUORANTHENE													10 UG/L		U

SAMPLE NUMBER:	004094			004094			066854			003797			003797		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		UJ
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		UJ
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													50 UG/L		U
PHENANTHRENE													10 UG/L		U
PYRENE													10 UG/L		UJ
VOLATILES															
1,1,1-TRICHLOROETHANE													5 UG/L		U
1,1,2,2-TETRACHLOROETHANE													5 UG/L		U
1,1,2-TRICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHENE													5 UG/L		U
1,2-DICHLOROETHANE													5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													5 UG/L		U
1,2-DICHLOROPROPANE													5 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		UJ
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		U
BENZENE													5 UG/L		U
BROMODICHLOROMETHANE													5 UG/L		U
BROMOFORM													5 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													5 UG/L		U
CARBON TETRACHLORIDE													5 UG/L		U
CHLOROBENZENE													5 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													5 UG/L		U
CHLOROMETHANE													10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE													5 UG/L		U
DIBROMOCHLOROMETHANE													5 UG/L		U

SAMPLE NUMBER:	004094			004094			066854			003797			003797		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ETHYLBENZENE													5 UG/L		U
METHYLENE CHLORIDE													5 UG/L		U
STYRENE													5 UG/L		U
TETRACHLOROETHENE													5 UG/L		UJ
TOLUENE													5 UG/L		U
TRANS-1,3-DICHLOROPROPENE													5 UG/L		U
TRICHLOROETHENE													5 UG/L		U
VINYL ACETATE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003797	003797	120064-1	120064-1	120064
TASK:	3.2.4	3.2.4	50.03.23	50.03.23	50.03.23
LAB:	IT	IT/MWL	NET	NET	CORE
WELL OR BORING NUMBER:	2118	2118	2118	2118	2118
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-JAN-89	09-JAN-89	10-JUN-93	10-JUN-93	10-JUN-93
NORTH COORDINATE:	480013.14	480013.14	480013.14	480013.14	480013.14
EAST COORDINATE:	1381795.87	1381795.87	1381795.87	1381795.87	1381795.87
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	R-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										274 MG/L		-			
AMMONIA										.03 MG/L		-			
BICARBONATE ALKALINITY										360 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										16 MG/L		-			
FLUORIDE										.18 MG/L		-			
NITRATE/NITRITE										.02 MG/L		U			
PH				10 UG/L		U				7.15 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.1 MG/L		U			
SPECIFIC CONDUCTIVITY										773 UMHOS/CM		-			
SULFATE										186 MG/L		-			
TOTAL DISSOLVED SOLIDS							596 MG/L		J						
TOTAL KJELDAHL NITROGEN										.14 MG/L		-			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.11 MG/L		-			
TOTAL SOLIDS										598 MG/L		-			
INORGANICS															
ALUMINUM							.02 MG/L		U	.107 MG/L		-			
ANTIMONY							.045 MG/L		U	.045 MG/L		U			
ARSENIC							.003 MG/L		U	.003 MG/L		U			
BARIUM							.0595 MG/L		-	.0603 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.003 MG/L		U	.003 MG/L		U			

SAMPLE NUMBER:	003797			003797			120064-1			120064-1			120064		
LAB:	IT			IT/MWL			NET			NET			CORE		
SUFFIX/FILTERFLAG:	R-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM							123 MG/L		-	122 MG/L		-			
CHROMIUM							.005 MG/L		U	.005 MG/L		U			
COBALT							.008 MG/L		U	.008 MG/L		U			
COPPER							.0085 MG/L		U	.0075 MG/L		U			
CYANIDE							.01 MG/L		UJ	.01 MG/L		U			
IRON							2.93 MG/L		-	2.97 MG/L		-			
LEAD							.002 MG/L		UJ	.002 MG/L		U			
MAGNESIUM							27.8 MG/L		-	27.5 MG/L		-			
MANGANESE							.211 MG/L		-	.209 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.02 MG/L		U	.02 MG/L		U			
POTASSIUM							2.98 MG/L		U	2.47 MG/L		U			
SELENIUM							.001 MG/L		U	.001 MG/L		UJ			
SILVER							.007 MG/L		UJ	.007 MG/L		UJ			
SODIUM							9.54 MG/L		-	9.77 MG/L		J			
THALLIUM							.002 MG/L		U	.002 MG/L		U			
VANADIUM							.003 MG/L		U	.003 MG/L		U			
ZINC							.0743 MG/L		J	.0093 MG/L		UJ			
RADIONUCLIDES															
URANIUM-238													.8 PCI/L	.3	-
URANIUM, TOTAL													.7 UG/L	.1	-
URANIUM-234													.7 PCI/L	.3	-
THORIUM-230													.2 PCI/L	.3	UJ
RADIUM-226													1 PCI/L	.3	U
URANIUM-235/236													.2 PCI/L	.3	U
THORIUM-232													.3 PCI/L	.2	UJ
RADIUM-228													3 PCI/L	1.5	U
THORIUM-228													.3 PCI/L	.2	J
GROSS ALPHA													3 PCI/L	1.7	UNV
GROSS BETA													4.3 PCI/L	2.4	UNV
SEMIVOLATILES															
PHENOL				10 UG/L		U				.01 MG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		R							10 UG/L		UJ			
1,1,2,2-TETRACHLOROETHANE	5 UG/L		R							10 UG/L		UJ			
1,1,2-TRICHLOROETHANE	5 UG/L		R							10 UG/L		UJ			

SAMPLE NUMBER:	003797			003797			120064-1			120064-1			120064		
LAB:	IT			IT/MWL			NET			NET			CORE		
SUFFIX/FILTERFLAG:	R-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHANE	5 UG/L		R							10 UG/L		UJ			
1,1-DICHLOROETHENE	5 UG/L		R							10 UG/L		UJ			
1,2-DICHLOROETHANE	5 UG/L		R							10 UG/L		UJ			
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		R							10 UG/L		UJ			
1,2-DICHLOROPROPANE	5 UG/L		R							10 UG/L		UJ			
2-BUTANONE	10 UG/L		R							10 UG/L		UJ			
2-HEXANONE	10 UG/L		R							10 UG/L		UJ			
4-METHYL-2-PENTANONE	10 UG/L		R							10 UG/L		UJ			
ACETONE	10 UG/L		R							10 UG/L		UJ			
BENZENE	5 UG/L		R							10 UG/L		UJ			
BROMODICHLOROMETHANE	5 UG/L		R							10 UG/L		UJ			
BROMOFORM	5 UG/L		R							10 UG/L		UJ			
BROMOMETHANE	10 UG/L		R							10 UG/L		UJ			
CARBON DISULFIDE	5 UG/L		R							10 UG/L		UJ			
CARBON TETRACHLORIDE	5 UG/L		R							10 UG/L		UJ			
CHLOROBENZENE	5 UG/L		R							10 UG/L		UJ			
CHLOROETHANE	10 UG/L		R							10 UG/L		UJ			
CHLOROFORM	5 UG/L		R							10 UG/L		UJ			
CHLOROMETHANE	10 UG/L		R							10 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE	5 UG/L		R							10 UG/L		UJ			
DIBROMOCHLOROMETHANE	5 UG/L		R							10 UG/L		UJ			
ETHYLBENZENE	5 UG/L		R							10 UG/L		UJ			
METHYLENE CHLORIDE	5 UG/L		R							10 UG/L		UJ			
STYRENE	5 UG/L		R							10 UG/L		UJ			
TETRACHLOROETHENE	5 UG/L		R							10 UG/L		UJ			
TOLUENE	5 UG/L		R							10 UG/L		UJ			
TRANS-1,3-DICHLOROPROPENE	5 UG/L		R							10 UG/L		UJ			
TRICHLOROETHENE	5 UG/L		R							10 UG/L		UJ			
VINYL ACETATE	10 UG/L		R												
VINYL CHLORIDE	10 UG/L		R							10 UG/L		UJ			
XYLENES, TOTAL	5 UG/L		R							10 UG/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120064			120064			120064			120065-1			120065-1		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	CORE			FERMCO			FERMCO			NET			NET		
WELL OR BORING NUMBER:	2118			2118			2118			2118			2118		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	10-JUN-93			10-JUN-93			10-JUN-93			10-JUN-93			10-JUN-93		
NORTH COORDINATE:	480013.14			480013.14			480013.14			480013.14			480013.14		
EAST COORDINATE:	1381795.87			1381795.87			1381795.87			1381795.87			1381795.87		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			DUPLICATE		
QC OF:										120064-1			120064-1		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													280 MG/L		-
AMMONIA													.1 MG/L		-
BICARBONATE ALKALINITY													360 MG/L		-
CARBONATE ALKALINITY													3 MG/L		U
CHLORIDE													17 MG/L		-
FLUORIDE													.19 MG/L		-
NITRATE/NITRITE													.02 MG/L		U
PH													7.1 SU		-
PHENOLS													.01 MG/L		U
PHOSPHORUS													.1 MG/L		U
SPECIFIC CONDUCTIVITY													767 UMHOS/CM		-
SULFATE													174 MG/L		-
TOTAL DISSOLVED SOLIDS										598 MG/L		J			
TOTAL KJELDAHL NITROGEN													.16 MG/L		-
TOTAL ORGANIC CARBON													1 MG/L		U
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC NITROGEN													.1 MG/L		U
TOTAL SOLIDS													606 MG/L		-
INORGANICS															
ALUMINUM										.02 MG/L		U	.02 MG/L		U
ANTIMONY										.045 MG/L		U	.045 MG/L		U
ARSENIC										.003 MG/L		U	.003 MG/L		U
BARIUM										.0584 MG/L		-	.0591 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.003 MG/L		U	.003 MG/L		U

SAMPLE NUMBER:	120064			120064			120064			120065-1			120065-1		
LAB:	CORE			FERMCO			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM										119 MG/L		-	120 MG/L		-
CHROMIUM										.005 MG/L		U	.005 MG/L		U
COBALT										.008 MG/L		U	.008 MG/L		U
COPPER										.0061 MG/L		U	.004 MG/L		U
CYANIDE										.01 MG/L		UJ	.01 MG/L		U
IRON										2.89 MG/L		-	2.94 MG/L		-
LEAD										.002 MG/L		UJ	.002 MG/L		U
MAGNESIUM										27.3 MG/L		-	27.4 MG/L		-
MANGANESE										.204 MG/L		-	.208 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.02 MG/L		U	.02 MG/L		U
POTASSIUM										2.33 MG/L		U	2.69 MG/L		U
SELENIUM										.001 MG/L		UJ	.001 MG/L		UJ
SILVER										.007 MG/L		UJ	.007 MG/L		UJ
SODIUM										9.25 MG/L		-	9.74 MG/L		J
THALLIUM										.002 MG/L		U	.002 MG/L		U
VANADIUM										.003 MG/L		U	.003 MG/L		U
ZINC										.0144 MG/L		U	.0078 MG/L		U
RADIONUCLIDES															
URANIUM-238	.7 PCI/L	.2	-												
URANIUM, TOTAL	.6 UG/L	.1	-	.7 UG/L		NV	.8 UG/L		NV						
URANIUM-234	.4 PCI/L	.2	-												
THORIUM-230	.2 PCI/L	.2	R												
RADIUM-226	1.3 PCI/L	.4	-												
URANIUM-235/236	.2 PCI/L	.8	U												
THORIUM-232	.3 PCI/L	.1	R												
RADIUM-228	3 PCI/L	1.1	U												
THORIUM-228	.3 PCI/L	.3	R												
GROSS ALPHA	6.5 PCI/L	3.4	UNV												
GROSS BETA	4.8 PCI/L	2.8	UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U

SAMPLE NUMBER:	120064			120064			120064			120065-1			120065-1		
LAB:	CORE			FERMCO			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		U
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120065	120065	120065	EMGW_SYSGEN_743	EMGW_SYSGEN_743
TASK:	50.03.23	50.03.23	50.03.23	GWMON	GWMON
LAB:	CORE	CORE	FERMCO	IT	NET
WELL OR BORING NUMBER:	2118	2118	2118	2118	2118
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-JUN-93	10-JUN-93	10-JUN-93	12-MAR-90	12-MAR-90
NORTH COORDINATE:	480013.14	480013.14	480013.14	480013.14	480013.14
EAST COORDINATE:	1381795.87	1381795.87	1381795.87	1381795.87	1381795.87
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL	NORMAL
QC OF:	120064	120064	120064		
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD													.005 MG/L		UNV
RADIONUCLIDES															
URANIUM-238	.9 PCI/L	.3	-	.8 PCI/L	.2	-				.645 PCI/L		NV			
URANIUM, TOTAL	.7 UG/L	.1	-	.8 UG/L	.1	-	.6 UG/L		NV	1.99 UG/L		NV			
URANIUM-234	.9 PCI/L	.3	-	.7 PCI/L	.2	-				.777 PCI/L		NV			
THORIUM-230	.2 PCI/L	.2	UJ	.2 PCI/L	.3	UJ									
RADIUM-226	1 PCI/L	.3	U	1 PCI/L	.3	U									
URANIUM-235/236	.2 PCI/L	.3	U	.2 PCI/L	.8	U				.25 PCI/L		UNV			
THORIUM-232	.3 PCI/L	.2	J	.3 PCI/L	.2	U									
THORIUM, TOTAL	2.7360122 PCI/L		NV												
RADIUM-228	3 PCI/L	1.5	U	3 PCI/L	1.2	U									
THORIUM-228	.2 PCI/L	.2	UJ	.3 PCI/L	.3	U									
GROSS ALPHA	3.3 PCI/L	1.7	UNV	4.6 PCI/L	2.2	UNV									
GROSS BETA	4.2 PCI/L	1.7	NV	4.7 PCI/L	2.8	UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_743	EMGW_SYSGEN_743D	EMGW_SYSGEN_743D	EMGW_SYSGEN_743D	EMGW_SYSGEN_745
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	IT	NET	NET	IT
WELL OR BORING NUMBER:	2118	2118	2118	2118	2118
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-MAR-90	12-MAR-90	12-MAR-90	12-MAR-90	20-DEC-90
NORTH COORDINATE:	480013.14	480013.14	480013.14	480013.14	480013.14
EAST COORDINATE:	1381795.87	1381795.87	1381795.87	1381795.87	1381795.87
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL
QC OF:		EMGW_SYSGEN_743	EMGW_SYSGEN_743	EMGW_SYSGEN_743	
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD	.008 MG/L		NV				.01 MG/L		UNV	.01 MG/L		NV			
RADIONUCLIDES															
URANIUM-238				.51 PCI/L		NV							.905 PCI/L		NV
URANIUM, TOTAL				1.5 UG/L		NV							2.29 UG/L		NV
URANIUM-234				.971 PCI/L		NV							2.11 PCI/L		NV
THORIUM-230													.338 PCI/L		NV
RADIUM-226													1 PCI/L		UNV
URANIUM-235/236				.22 PCI/L		UNV							.23 PCI/L		UNV
THORIUM-232													.27 PCI/L		UNV
THORIUM, TOTAL													2.4 UG/L		UNV
RADIUM-228													3 PCI/L		UNV
THORIUM-228													.895 PCI/L		NV
GROSS ALPHA													12 PCI/L		UNV
GROSS BETA													9.2 PCI/L		UNV
VOLATILES															
BENZENE	1 UG/L		UNV							1 UG/L		UNV			
TOLUENE	1 UG/L		UNV							1 UG/L		UNV			
XYLENES, TOTAL	1 UG/L		UNV							1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_745	EMGW_SYSGEN_744	EMGW_SYSGEN_744	003526	004053
TASK:	GWMON	GWMON	GWMON	3.2.4	3.2.4
LAB:	NET	IT	NET	IT	IT
WELL OR BORING NUMBER:	2118	2118	2118	2118	2118
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-DEC-90	21-JUN-90	21-JUN-90	25-JAN-89	31-MAR-89
NORTH COORDINATE:	480013.14	480013.14	480013.14	480013.14	480013.14
EAST COORDINATE:	1381795.87	1381795.87	1381795.87	1381795.87	1381795.87
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	DL-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	277 MG/L		NV												
AMMONIA	.03 MG/L		NV												
CHLORIDE	19 MG/L		NV				18 MG/L		NV						
FLUORIDE	.14 MG/L		NV												
NITRATE, AS NITROGEN							.02 MG/L		UNV						
NITRATE/NITRITE	.02 MG/L		UNV												
PH	7.25 SU		NV												
PHENOLS	.005 MG/L		UNV												
PHOSPHORUS	.2 MG/L		NV												
SPECIFIC CONDUCTIVITY	711 UMHOS/CM		NV												
SULFATE	64 MG/L		NV				94 MG/L		NV						
TOTAL DISSOLVED SOLIDS	442 MG/L		NV												
TOTAL ORGANIC CARBON	6 MG/L		NV				1 MG/L		NV						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.01 MG/L		UNV						
INORGANICS															
CYANIDE	.005 MG/L		UNV												
LEAD							.005 MG/L		UNV						
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
PESTICIDES															
4,4'-DDD													1 UG/L		

SAMPLE NUMBER:	EMGW_SYSGEN_745			EMGW_SYSGEN_744			EMGW_SYSGEN_744			003526			004053		
LAB:	NET			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			DL-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDE													1 UG/L		R
4,4'-DDT													1 UG/L		R
ALDRIN													.5 UG/L		R
ALPHA-BHC													.5 UG/L		R
ALPHA-CHLORDANE													5 UG/L		R
AROCLOR-1016													5 UG/L		R
AROCLOR-1221													5 UG/L		R
AROCLOR-1232													5 UG/L		R
AROCLOR-1242													5 UG/L		R
AROCLOR-1248													5 UG/L		R
AROCLOR-1254													10 UG/L		R
AROCLOR-1260													10 UG/L		U
BETA-BHC													.5 UG/L		R
DELTA-BHC													.5 UG/L		R
DIELDRIN													1 UG/L		R
ENDOSULFAN II													1 UG/L		R
ENDOSULFAN SULFATE													1 UG/L		R
ENDOSULFAN-I													.5 UG/L		R
ENDRIN													1 UG/L		R
ENDRIN KETONE													1 UG/L		R
GAMMA-BHC (LINDANE)													.5 UG/L		R
GAMMA-CHLORDANE													5 UG/L		R
HEPTACHLOR													.5 UG/L		R
HEPTACHLOR EPOXIDE													.5 UG/L		R
METHOXYCHLOR													5 UG/L		R
TOXAPHENE													10 UG/L		R
RADIONUCLIDES															
URANIUM-238				.619 PCI/L		NV									
URANIUM, TOTAL				1.88 UG/L		NV									
URANIUM-234				.73 PCI/L		NV									
THORIUM-230				1.63 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.21 PCI/L		UNV									
THORIUM-232				.26 PCI/L		UNV									
THORIUM, TOTAL				2.4 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				1.28 PCI/L		NV									
STRONTIUM-90										5 PCI/L		U			
GROSS ALPHA				14 PCI/L		UNV									
GROSS BETA				12.3 PCI/L		NV									

SAMPLE NUMBER:	EMGW_SYSGEN_745			EMGW_SYSGEN_744			EMGW_SYSGEN_744			003526			004053		
LAB:	NET			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			DL-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV						
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV						
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV						
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV						
ACETONE	2 UG/L		UNV				2 UG/L		UNV						
BENZENE	1 UG/L		UNV				1 UG/L		UNV						
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV						
BROMOMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV						
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV						
CHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV						
METHYLENE CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
STYRENE	1 UG/L		UNV				1 UG/L		UNV						
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TOLUENE	1 UG/L		UNV				1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
VINYL ACETATE	2 UG/L		UNV				2 UG/L		UNV						
VINYL CHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004053	105623	105623	105621	105621
TASK:	3.2.4	50.03.10	50.03.10	50.03.10	50.03.10
LAB:	IT	IT	IT/RSL	IT-KNOX	IT/MWL
WELL OR BORING NUMBER:	2118	2119	2119	2119	2119
DEPTH:	-	-	-	-	-
DATE COLLECTED:	31-MAR-89	05-APR-93	05-APR-93	28-JAN-92	28-JAN-92
NORTH COORDINATE:	480013.14	479309.36	479309.36	479309.36	479309.36
EAST COORDINATE:	1381795.87	1384594.27	1384594.27	1384594.27	1384594.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				365 MG/L		-				372.5 MG/L		-			
AMMONIA				.1 MG/L		U				.122 MG/L		-			
CHLORIDE				24.6 MG/L		-				26.33 MG/L		-			
FLUORIDE				.16 MG/L		-				.19 MG/L		-			
NITRATE				6.06 MG/L		-				5.25 MG/L		-			
PHENOLS				.01 MG/L		U				.01 MG/L		U			
PHOSPHORUS				.02 MG/L		-				.06 MG/L		-			
SULFATE				101.5 MG/L		-				109.3 MG/L		-			
SULFIDE				.75 MG/L		-				.5 MG/L		U			
TOTAL ORGANIC CARBON				1 MG/L		U				1.44 MG/L		-			
TOTAL ORGANIC HALIDES	.0091 MG/L		-	10 MG/L		U				.01 MG/L		U			
TOTAL ORGANIC NITROGEN				.1 MG/L		U				.028 MG/L		-			
INORGANICS															
ALUMINUM													.03 MG/L		U
ANTIMONY													.005 MG/L		UJ
ARSENIC													.002 MG/L		U
BARIUM													.0912 MG/L		-
BERYLLIUM													.002 MG/L		U
CADMIUM													.005 MG/L		U
CALCIUM													130 MG/L		-
CHROMIUM													.01 MG/L		U
COBALT													.01 MG/L		U
COPPER													.01 MG/L		U
CYANIDE	.01 MG/L		U										.002 MG/L		U
IRON													.02 MG/L		U

SAMPLE NUMBER:	004053			105623			105623			105621			105621		
LAB:	IT			IT			IT/RSL			IT-KNOX			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD													.002 MG/L		U
MAGNESIUM													41.1 MG/L		-
MANGANESE													.195 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.02 MG/L		U
NICKEL													.02 MG/L		U
POTASSIUM													2.54 MG/L		-
SELENIUM													.002 MG/L		U
SILICON													5.89 MG/L		-
SILVER													.01 MG/L		U
SODIUM													12.1 MG/L		-
THALLIUM													.002 MG/L		U
VANADIUM													.01 MG/L		U
ZINC													.005 MG/L		U
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		UJ												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.5 UG/L		U												
AROCLOR-1016	.5 UG/L		U												
AROCLOR-1221	.5 UG/L		U												
AROCLOR-1232	.5 UG/L		U												
AROCLOR-1242	.5 UG/L		U												
AROCLOR-1248	.5 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.5 UG/L		U												
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004053			105623			105623			105621			105621		
LAB:	IT			IT			IT/RSL			IT-KNOX			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	1 UG/L		U												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		UJ						
URANIUM, TOTAL							5 UG/L		UJ						
URANIUM-234							1 PCI/L		UJ						
THORIUM-230							1 PCI/L		UJ						
RADIUM-226							1 PCI/L		UJ						
URANIUM-235/236							1 PCI/L		UJ						
THORIUM-232							1 PCI/L		UJ						
THORIUM, TOTAL							1 UG/L		UJ						
RADIUM-228							3 PCI/L		UJ						
THORIUM-228							1 PCI/L		UJ						
NEPTUNIUM-237							1 PCI/L		UJ						
PLUTONIUM-239/240							1 PCI/L		UJ						
PLUTONIUM-238							1 PCI/L		UJ						
STRONTIUM-90							5 PCI/L		UJ						
TECHNETIUM-99							30 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							20 PCI/L		UJ						
GROSS ALPHA							7.2 PCI/L		UNV						
GROSS BETA							8.4 PCI/L	3.43	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	105621	105621	105621	120289	120289F
TASK:	50.03.10	50.03.10	50.03.10	50.03.23	50.03.23
LAB:	IT/MWL	IT/RSL	IT/RSL	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	2119	2119	2119	2119	2119
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JAN-92	28-JAN-92	28-JAN-92	30-JUL-93	30-JUL-93
NORTH COORDINATE:	479309.36	479309.36	479309.36	479309.36	479309.36
EAST COORDINATE:	1384594.27	1384594.27	1384594.27	1384594.27	1384594.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	RE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										350 MG/L		-			
AMMONIA										.05 MG/L		U			
CHLORIDE										18 MG/L		-			
FLUORIDE										.1 MG/L		U			
NITRATE/NITRITE										2.9 MG/L		J			
PHENOLS										.003 MG/L		-			
PHOSPHORUS										.09 MG/L		-			
SULFATE										77 MG/L		-			
SULFIDE										1 MG/L		U			
TOTAL KJELDAHL NITROGEN										.2 MG/L		J			
TOTAL ORGANIC CARBON										1 MG/L		UJ			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.2 MG/L		-			
INORGANICS															
ALUMINUM										.0311 MG/L		U	.014 MG/L		U
ANTIMONY										.045 MG/L		U	.045 MG/L		U
ARSENIC										.001 MG/L		U	.001 MG/L		U
BARIUM										.0797 MG/L		-	.0768 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.003 MG/L		U	.003 MG/L		U
CALCIUM										126 MG/L		-	119 MG/L		-
CHROMIUM										.0077 MG/L		U	.0046 MG/L		U
COBALT										.006 MG/L		U	.006 MG/L		U
COPPER										.004 MG/L		U	.004 MG/L		U
CYANIDE										.01 MG/L		U	.01 MG/L		U

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	105621			105621			105621			120289			120289F		
LAB:	IT/MWL			IT/RSL			IT/RSL			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			RE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON										.135 MG/L		U	.0167 MG/L		U
LEAD										.001 MG/L		U	.0013 MG/L		-
MAGNESIUM										39 MG/L		-	37.1 MG/L		-
MANGANESE										.0099 MG/L		U	.0067 MG/L		U
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.019 MG/L		U	.019 MG/L		U
POTASSIUM										2.02 MG/L		-	2.25 MG/L		-
SELENIUM										.002 MG/L		U	.002 MG/L		U
SILVER										.003 MG/L		U	.003 MG/L		U
SODIUM										11 MG/L		-	10.5 MG/L		-
THALLIUM										.0014 MG/L		U	.0011 MG/L		U
VANADIUM										.004 MG/L		U	.004 MG/L		U
ZINC										.006 MG/L		U	.006 MG/L		U
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.5 UG/L		U												
AROCLOR-1016	.5 UG/L		U												
AROCLOR-1221	.5 UG/L		U												
AROCLOR-1232	.5 UG/L		U												
AROCLOR-1242	.5 UG/L		U												
AROCLOR-1248	.5 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		UJ												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.5 UG/L		U												
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												

SAMPLE NUMBER:	105621			105621			105621			120289			120289F		
LAB:	IT/MWL			IT/RSL			IT/RSL			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			RE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
TOXAPHENE	1 UG/L		UJ												
RADIONUCLIDES															
URANIUM-238				1 PCI/L		NV									
URANIUM, TOTAL				5 UG/L		NV									
URANIUM-234				1 PCI/L		NV									
THORIUM-230							.639 PCI/L	.264	UJ						
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				1 PCI/L		NV									
THORIUM-232							.2 PCI/L	.0636	UJ						
THORIUM, TOTAL							.5 UG/L		UJ						
RADIUM-228				3 PCI/L		UNV									
THORIUM-228							.2 PCI/L	.106	UJ						
NEPTUNIUM-237				1 PCI/L		NV									
PLUTONIUM-239/240				1 PCI/L		NV									
PLUTONIUM-238				1 PCI/L		NV									
STRONTIUM-90				5 PCI/L		NV									
TECHNETIUM-99				30 PCI/L		NV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				20 PCI/L		NV									
GROSS ALPHA				5.4 PCI/L		UNV									
GROSS BETA				9.75 PCI/L	3.75	NV									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	50 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	50 UG/L		U												
2,4-DINITROTOLUENE	10 UG/L		U												
2,6-DINITROTOLUENE	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												
2-NITROANILINE	50 UG/L		UJ												

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SAMPLE NUMBER:	105621			105621			105621			120289			120289F		
LAB:	IT/MWL			IT/RSL			IT/RSL			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			RE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	20 UG/L		U												
3-NITROANILINE	50 UG/L		U												
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		UJ												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	50 UG/L		U												
4-NITROPHENOL	50 UG/L		U												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		U												
BENZOIC ACID	50 UG/L		UJ												
BENZYL ALCOHOL	10 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		UJ												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		U												
DI-N-OCTYL PHTHALATE	10 UG/L		U												
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		U												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		U												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U												
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												

SAMPLE NUMBER:	105621			105621			105621			120289			120289F		
LAB:	IT/MWL			IT/RSL			IT/RSL			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			RE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		U												
PENTACHLOROPHENOL	50 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U							.003 MG/L		-			
PYRENE	10 UG/L		U												
TRIBUTYL PHOSPHATE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U							10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U							10 UG/L		U			
1,1,2-TRICHLOROETHANE	10 UG/L		U							10 UG/L		U			
1,1-DICHLOROETHANE	10 UG/L		U							10 UG/L		U			
1,1-DICHLOROETHENE	10 UG/L		U							10 UG/L		U			
1,2-DICHLOROETHANE	10 UG/L		U							10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U							10 UG/L		U			
1,2-DICHLOROPROPANE	10 UG/L		U							10 UG/L		U			
2-BUTANONE	10 UG/L		U							10 UG/L		UJ			
2-HEXANONE	10 UG/L		U							10 UG/L		UJ			
4-METHYL-2-PENTANONE	10 UG/L		U							10 UG/L		U			
ACETONE	10 UG/L		U							10 UG/L		UJ			
BENZENE	10 UG/L		U							10 UG/L		U			
BROMODICHLOROMETHANE	10 UG/L		U							10 UG/L		U			
BROMOFORM	10 UG/L		U							10 UG/L		U			
BROMOMETHANE	10 UG/L		U							10 UG/L		U			
CARBON DISULFIDE	10 UG/L		U							10 UG/L		U			
CARBON TETRACHLORIDE	10 UG/L		U							10 UG/L		U			
CHLOROBENZENE	10 UG/L		U							10 UG/L		U			
CHLOROETHANE	10 UG/L		U							10 UG/L		U			
CHLOROFORM	10 UG/L		U							10 UG/L		U			
CHLOROMETHANE	10 UG/L		U							10 UG/L		U			
CIS-1,3-DICHLOROPROPENE	10 UG/L		U							10 UG/L		U			
DIBROMOCHLOROMETHANE	10 UG/L		U							10 UG/L		U			
ETHYLBENZENE	10 UG/L		U							10 UG/L		U			
METHYLENE CHLORIDE	10 UG/L		U							10 UG/L		U			
STYRENE	10 UG/L		U							10 UG/L		U			
TETRACHLOROETHENE	10 UG/L		U							10 UG/L		U			
TOLUENE	10 UG/L		U							10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U							10 UG/L		U			

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SAMPLE NUMBER:	105621			105621			105621			120289			120289F		
LAB:	IT/MWL			IT/RSL			IT/RSL			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			RE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TRICHLOROETHENE	10 UG/L		U							10 UG/L		U			
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U							10 UG/L		U			
XYLENES, TOTAL	10 UG/L		U							10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120291	120291F	120293	120293F	066819
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	9.27
LAB:	CORE	CORE	FERMCO	FERMCO	IT
WELL OR BORING NUMBER:	2119	2119	2119	2119	21190
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-JUL-93	30-JUL-93	30-JUL-93	30-JUL-93	13-DEC-89
NORTH COORDINATE:	479309.36	479309.36	479309.36	479309.36	477617.13
EAST COORDINATE:	1384594.27	1384594.27	1384594.27	1384594.27	1379149.12
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238	.6 PCI/L	.7	R	.6 PCI/L	1.1	J							1 PCI/L		U
URANIUM, TOTAL	1.5 UG/L	.1	-	1.4 UG/L	.1	-	1.3 UG/L		NV	1.3 UG/L		NV	2.03 UG/L	.24	-
URANIUM-234	.6 PCI/L	.4	R	.7 PCI/L	.4	J							1 PCI/L		U
THORIUM-230	.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ							1.18 PCI/L	.7	J
RADIUM-226	1 PCI/L	.4	U	1 PCI/L	.5	UJ									
URANIUM-235/236	.1 PCI/L	.1	R	.2 PCI/L	.1	UJ							1 PCI/L		U
THORIUM-232	.2 PCI/L	.2	UJ	.2 PCI/L	.5	UJ									
THORIUM, TOTAL	.91200992 PCI/L		NV												
RADIUM-228	3 PCI/L	1.1	U	3 PCI/L	.9	UJ									
THORIUM-228	.2 PCI/L	.2	UJ	.2 PCI/L	.5	UJ							1 PCI/L		U
TECHNETIUM-99	15 PCI/L	7.4	U	15.3 PCI/L	9.3	U							30 PCI/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003906	003906	003062	003062	004060
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	21190	21190	21190	21190	21190
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-FEB-89	26-FEB-89	28-MAR-88	28-MAR-88	29-MAR-89
NORTH COORDINATE:	477617.13	477617.13	477617.13	477617.13	477617.13
EAST COORDINATE:	1379149.12	1379149.12	1379149.12	1379149.12	1379149.12
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.3 MG/L		U									
CHLORIDE				5.7 MG/L		U									
FLUORIDE				.1 MG/L		-									
NITRATE				1.8 MG/L		-									
PHENOLS				.005 MG/L		-									
PHOSPHORUS				.04 MG/L		-									
SULFATE				26 MG/L		-									
TOTAL KJELDAHL NITROGEN				1.2 MG/L		-									
TOTAL ORGANIC HALIDES				.07 MG/L		-									
TOTAL ORGANIC NITROGEN				.9 MG/L		-									
INORGANICS															
ALUMINUM							.04 MG/L		U						
ANTIMONY							.03 MG/L		U						
ARSENIC	.003 MG/L		U				.002 MG/L		U						
BARIUM	.059 MG/L		-				.064 MG/L		-						
BERYLLIUM							.001 MG/L		U						
CADMIUM	.005 MG/L		U				.005 MG/L		U						
CALCIUM	180 MG/L		-				192 MG/L		-						
CHROMIUM	.03 MG/L		-				.01 MG/L		U						
COBALT							.02 MG/L		U						
COPPER	.01 MG/L		U				.01 MG/L		U						
CYANIDE							.01 MG/L		U						
IRON	.09 MG/L		-				.032 MG/L		U						
LEAD	.002 MG/L		U				.002 MG/L		U						
MAGNESIUM	31 MG/L		-				29.1 MG/L		-						

SAMPLE NUMBER:	003906			003906			003062			003062			004060		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE	.005 MG/L		U				.005 MG/L		-						
MERCURY	.0003 MG/L		J				.0002 MG/L		U						
MOLYBDENUM	.01 MG/L		U												
NICKEL	.03 MG/L		U				.02 MG/L		U						
POTASSIUM	1.5 MG/L		-				1.11 MG/L		U						
SELENIUM	.005 MG/L		-				.004 MG/L		-						
SILVER	.01 MG/L		U				.005 MG/L		U						
SODIUM	5.4 MG/L		-				4.1 MG/L		-						
THALLIUM							.003 MG/L		U						
VANADIUM							.01 MG/L		U						
ZINC							.027 MG/L		-						
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL													.5 UG/L		U
DEMETON													.4 UG/L		U
DIAZINON													.2 UG/L		U
DISULFOTON													.2 UG/L		U
ETHION													.2 UG/L		U
MALATHION													.2 UG/L		U
METHYL PARATHION													.2 UG/L		U
PARATHION													.2 UG/L		U
PESTICIDES															
4,4'-DDD										.1 UG/L		U			
4,4'-DDE										.1 UG/L		U			
4,4'-DDT										.1 UG/L		U			
ALDRIN										.05 UG/L		U			
ALPHA-BHC										.05 UG/L		U			
ALPHA-CHLORDANE										.05 UG/L		U			
AROCLOR-1016										.5 UG/L		U			
AROCLOR-1221										.5 UG/L		U			
AROCLOR-1232										.5 UG/L		U			
AROCLOR-1242										.5 UG/L		U			
AROCLOR-1248										.5 UG/L		U			
AROCLOR-1254										1 UG/L		U			
AROCLOR-1260										1 UG/L		U			
BETA-BHC										.05 UG/L		U			
DELTA-BHC										.05 UG/L		U			
DIELDRIN										.1 UG/L		U			
ENDOSULFAN II										.1 UG/L		U			

SAMPLE NUMBER:	003906			003906			003062			003062			004060		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDOSULFAN SULFATE										.1 UG/L		U			
ENDOSULFAN-I										.05 UG/L		U			
ENDRIN										.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)										.05 UG/L		U			
GAMMA-CHLORDANE										.05 UG/L		U			
HEPTACHLOR										.05 UG/L		U			
HEPTACHLOR EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.05 UG/L		U			
TOXAPHENE										1 UG/L		U			
RADIONUCLIDES															
URANIUM-238				2.6 PCI/L	.6	-				1 PCI/L		UJ			
URANIUM, TOTAL				9 UG/L	2	J				1 UG/L		R			
URANIUM-234				2.5 PCI/L	.6	-				1 PCI/L		UJ			
THORIUM-230				1 PCI/L		U				1 PCI/L		UJ			
RADIUM-226				1 PCI/L		UJ				1 PCI/L		R			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		UJ			
THORIUM-232				1 PCI/L		U				1 PCI/L		UJ			
THORIUM, TOTAL				3 UG/L		U									
RADIUM-228				3 PCI/L		UJ				3 PCI/L		UJ			
THORIUM-228				1 PCI/L		U				1 PCI/L		UJ			
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		R			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		UJ			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		UJ			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		R			
TECHNETIUM-99				30 PCI/L		UJ				30 PCI/L		UJ			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		U			
1,2-DICHLOROBENZENE										10 UG/L		U			
1,3-DICHLOROBENZENE										10 UG/L		U			
1,4-DICHLOROBENZENE										10 UG/L		U			
2,4,5-TRICHLOROPHENOL										50 UG/L		U			
2,4,6-TRICHLOROPHENOL										10 UG/L		U			
2,4-DICHLOROPHENOL										10 UG/L		U			
2,4-DIMETHYLPHENOL										10 UG/L		U			
2,4-DINITROPHENOL										50 UG/L		U			

SAMPLE NUMBER:	003906			003906			003062			003062			004060		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DINITROTOLUENE										10 UG/L		U			
2,6-DINITROTOLUENE										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		U			
2-CHLOROPHENOL										10 UG/L		U			
2-METHYLNAPHTHALENE										10 UG/L		U			
2-METHYLPHENOL										10 UG/L		U			
2-NITROANILINE										50 UG/L		U			
2-NITROPHENOL										10 UG/L		U			
3,3'-DICHLOROBENZIDINE										20 UG/L		U			
3-NITROANILINE										50 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL										50 UG/L		U			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLORO-3-METHYLPHENOL										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			
4-NITROANILINE										50 UG/L		U			
4-NITROPHENOL										50 UG/L		U			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		U			
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		U			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			
BENZOIC ACID										50 UG/L		U			
BENZYL ALCOHOL										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE										10 UG/L		U			
BUTYL BENZYL PHTHALATE										10 UG/L		U			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										10 UG/L		U			
DI-N-OCTYL PHTHALATE										10 UG/L		U			
DIBENZO(A,H)ANTHRACENE										10 UG/L		U			
DIBENZOFURAN										10 UG/L		U			
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		U			

SAMPLE NUMBER:	003906			003906			003062			003062			004060		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
HEXACHLOROBENZENE										10 UG/L		U			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		U			
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		U			
ISOPHORONE										10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		U			
PENTACHLOROPHENOL										50 UG/L		U			
PHENANTHRENE										10 UG/L		U			
PHENOL				.005 MG/L		-				10 UG/L		U			
PYRENE										10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE										2 UG/L		UJ			
1,1,2,2-TETRACHLOROETHANE										5 UG/L		U			
1,1,2-TRICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHENE										5 UG/L		U			
1,2-DICHLOROETHANE										5 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										5 UG/L		U			
1,2-DICHLOROPROPANE										5 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										5 UG/L		U			
BROMODICHLOROMETHANE										5 UG/L		U			
BROMOFORM										5 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										5 UG/L		U			
CARBON TETRACHLORIDE										5 UG/L		U			
CHLOROBENZENE										5 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										5 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										5 UG/L		U			
DIBROMOCHLOROMETHANE										5 UG/L		U			

SAMPLE NUMBER:	003906			003906			003062			003062			004060		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ETHYLBENZENE										5 UG/L		U			
METHYLENE CHLORIDE										5 UG/L		U			
STYRENE										5 UG/L		U			
TETRACHLOROETHENE										5 UG/L		U			
TOLUENE										5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		U			
TRICHLOROETHENE										5 UG/L		U			
VINYL ACETATE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	046938			046939			046940			046941			046944		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	21191			21191			21191			21191			21192		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	17-JUL-90			17-JUL-90			21-AUG-90			21-AUG-90			17-JUL-90		
NORTH COORDINATE:	477071.1			477071.1			477071.1			477071.1			477022.52		
EAST COORDINATE:	1379636.54			1379636.54			1379636.54			1379636.54			1379642.08		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													046945		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE				.6 MG/L		J	.26 MG/L		-						
RADIONUCLIDES															
URANIUM, TOTAL	293 UG/L	46	-							687 UG/L	106	-	52.8 UG/L	8.7	-

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	046945			046946			046947			046962			046963		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	21192			21192			21192			21193			21193		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	17-JUL-90			21-AUG-90			21-AUG-90			17-JUL-90			17-JUL-90		
NORTH COORDINATE:	477022.52			477022.52			477022.52			476976.12			476976.12		
EAST COORDINATE:	1379642.08			1379642.08			1379642.08			1379619.39			1379619.39		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE	2.47 MG/L		J				1.78 MG/L		-				.89 MG/L		J
RADIONUCLIDES															
URANIUM, TOTAL	966 UG/L	141	-	29.9 UG/L	5.9	-				139 UG/L	20	-			
THORIUM-230	1 PCI/L		UJ												
RADIUM-226	1 PCI/L		U												
THORIUM-232	1 PCI/L		UJ												
THORIUM, TOTAL	3.72 UG/L	2.66	J												
RADIUM-228	3 PCI/L		U												
THORIUM-228	1 PCI/L		UJ												
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		UJ												
PLUTONIUM-238	1 PCI/L		UJ												
STRONTIUM-90	5 PCI/L		UJ												
TECHNETIUM-99	30 PCI/L		R												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	50 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												

001324

6417

SAMPLE NUMBER:	046945			046946			046947			046962			046963		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	50 UG/L		UJ												
2,4-DINITROTOLUENE	10 UG/L		U												
2,6-DINITROTOLUENE	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												
2-NITROANILINE	50 UG/L		U												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	20 UG/L		U												
3-NITROANILINE	50 UG/L		U												
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		U												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	50 UG/L		U												
4-NITROPHENOL	50 UG/L		U												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		U												
BENZOIC ACID	50 UG/L		U												
BENZYL ALCOHOL	10 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		U												
DI-N-OCTYL PHTHALATE	10 UG/L		U												
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		U												

SAMPLE NUMBER:	046945			046946			046947			046962			046963		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		U												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U												
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		U												
PENTACHLOROPHENOL	50 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U												
PYRENE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		-												
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U												
1,1,2-TRICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHANE	9 UG/L		-												
1,1-DICHLOROETHENE	5 UG/L		U												
1,2-DICHLOROETHANE	5 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		-												
1,2-DICHLOROPROPANE	5 UG/L		U												
2-BUTANONE	10 UG/L		UJ												
2-HEXANONE	10 UG/L		UJ												
4-METHYL-2-PENTANONE	10 UG/L		UJ												
ACETONE	5 UG/L		J												
BENZENE	5 UG/L		U												
BROMODICHLOROMETHANE	5 UG/L		U												
BROMOFORM	5 UG/L		UJ												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	5 UG/L		U												
CARBON TETRACHLORIDE	5 UG/L		U												
CHLOROBENZENE	5 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	5 UG/L		U												

SAMPLE NUMBER:	046945			046946			046947			046962			046963		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	5 UG/L		U												
DIBROMOCHLOROMETHANE	5 UG/L		U												
ETHYLBENZENE	5 UG/L		U												
METHYLENE CHLORIDE	5 UG/L		U												
STYRENE	5 UG/L		U												
TETRACHLOROETHENE	5 UG/L		U												
TOLUENE	5 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U												
TRICHLOROETHENE	7 UG/L		-												
VINYL ACETATE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	5 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	046964	046965	GW930401-1	GW930401-1	GW930401-1
TASK:	3.7	3.7	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	21193	21193	2120	2120	2120
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-AUG-90	21-AUG-90	01-APR-93	01-APR-93	01-APR-93
NORTH COORDINATE:	476976.12	476976.12	480186.92	480186.92	480186.92
EAST COORDINATE:	1379619.39	1379619.39	1382123.05	1382123.05	1382123.05
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
NITRATE	.99 MG/L		-												
RADIONUCLIDES															
URANIUM-238							3.9 PCI/L	1	J	4.8 PCI/L	1	J			
URANIUM, TOTAL				64 UG/L	9.8	-	13.9 UG/L	1	-	13.4 UG/L	.9	-	10 UG/L		NV
URANIUM-234							4 PCI/L	1	J	4.5 PCI/L	1	J			
THORIUM-230							.2 PCI/L	.3	R	.4 PCI/L	.1	UJ			
RADIUM-226							1 PCI/L	.2	U	1 PCI/L	.2	UJ			
URANIUM-235/236							.2 PCI/L	.5	UJ	.2 PCI/L	.4	UJ			
THORIUM-232							.1 PCI/L	.3	R	.3 PCI/L	.1	UJ			
RADIUM-228							3 PCI/L	.9	U	3 PCI/L	1.3	U			
THORIUM-228							.1 PCI/L	.6	R	.3 PCI/L	.1	UJ			
GROSS ALPHA							3.1 PCI/L	1.9	UNV	7.1 PCI/L	2.8	NV			
GROSS BETA							10 PCI/L	1.8	NV	7.9 PCI/L	2.5	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930401-1	GW930401-1	GW930401-1	GW930104-9	GW930104-9
TASK:	50.03.23	50.03.23	50.03.23	RCRA	RCRA
LAB:	FERMCO	LOCKHEED	LOCKHEED	CORE	FERMCO Laboratory
WELL OR BORING NUMBER:	2120	2120	2120	2120	2120
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-APR-93	01-APR-93	01-APR-93	04-JAN-93	04-JAN-93
NORTH COORDINATE:	480186.92	480186.92	480186.92	480186.92	480186.92
EAST COORDINATE:	1382123.05	1382123.05	1382123.05	1382123.05	1382123.05
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							280 MG/L		-						
AMMONIA							.05 MG/L		UJ						
BICARBONATE ALKALINITY							280 MG/L		-						
CARBONATE ALKALINITY							30 MG/L		U						
CHLORIDE							77 MG/L		-						
FLUORIDE							.18 MG/L		-						
NITRATE/NITRITE							.05 MG/L		U						
PH							7.3 SU		-						
PHENOLS							.15 MG/L		U						
PHOSPHORUS							.03 MG/L		U						
SPECIFIC CONDUCTIVITY							700 UMHOS/CM		-						
SULFATE							87 MG/L		-						
TOTAL DISSOLVED SOLIDS				500 MG/L		-									
TOTAL ORGANIC CARBON							2.3 MG/L		-						
TOTAL ORGANIC HALIDES							.045 MG/L		U						
TOTAL ORGANIC NITROGEN							0 MG/L		U						
TOTAL SOLIDS							540 MG/L		-						
INORGANICS															
ALUMINUM				.036 MG/L		U	.036 MG/L		U						
ANTIMONY				.031 MG/L		U	.031 MG/L		U						
ARSENIC				.002 MG/L		U	.002 MG/L		U						
BARIUM				.0644 MG/L		-	.0641 MG/L		-						
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						
CADMIUM				.002 MG/L		U	.002 MG/L		U						
CALCIUM				101 MG/L		-	97.7 MG/L		-						

SAMPLE NUMBER:	GW930401-1			GW930401-1			GW930401-1			GW930104-9			GW930104-9		
LAB:	FERMCO			LOCKHEED			LOCKHEED			CORE			FERMCO Laboratory		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM				.0039 MG/L		U	.0049 MG/L		U						
COBALT				.008 MG/L		U	.008 MG/L		U						
COPPER				.004 MG/L		U	.004 MG/L		U						
CYANIDE				.02 MG/L		U	.02 MG/L		U						
IRON				.0319 MG/L		-	.0828 MG/L		-						
LEAD				.0026 MG/L		U	.0011 MG/L		J						
MAGNESIUM				41.2 MG/L		-	41 MG/L		-						
MANGANESE				.123 MG/L		-	.133 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
MOLYBDENUM				.015 MG/L		U	.015 MG/L		U						
NICKEL				.031 MG/L		U	.031 MG/L		U						
POTASSIUM				2.11 MG/L		-	2.27 MG/L		-						
SELENIUM				.002 MG/L		UJ	.002 MG/L		U						
SILVER				.003 MG/L		UJ	.003 MG/L		U						
SODIUM				39 MG/L		-	39.8 MG/L		-						
THALLIUM				.002 MG/L		UR	.002 MG/L		UR						
VANADIUM				.007 MG/L		U	.007 MG/L		U						
ZINC				.002 MG/L		U	.0119 MG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL	10 UG/L		NV							6.5 UG/L		NV	7 UG/L		NV
THORIUM-230										.2 PCI/L	.1	UNV			
RADIUM-226										1 PCI/L	.2	UNV			
THORIUM-232										.2 PCI/L	.1	UNV			
THORIUM, TOTAL										.5 UG/L		UNV			
RADIUM-228										3 PCI/L	1	UNV			
THORIUM-228										.2 PCI/L	.1	UNV			
GROSS ALPHA										3.5 PCI/L	1.9	NV			
GROSS BETA										6.9 PCI/L	1.9	NV			
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						

SAMPLE NUMBER:	GW930401-1			GW930401-1			GW930401-1			GW930104-9			GW930104-9		
LAB:	FERMCO			LOCKHEED			LOCKHEED			CORE			FERMCO Laboratory		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		U						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		UJ						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930104-9	GW930104-9	004291	004291	004187
TASK:	RCRA	RCRA	3.2.4	3.2.4	3.2.4
LAB:	NET	NET	IT	IT	IT
WELL OR BORING NUMBER:	2120	2120	2120	2120	2120
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-JAN-93	04-JAN-93	28-JUN-90	28-JUN-90	30-MAR-90
NORTH COORDINATE:	480186.92	480186.92	480186.92	480186.92	480186.92
EAST COORDINATE:	1382123.05	1382123.05	1382123.05	1382123.05	1382123.05
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				276 MG/L		NV									
ALLYL CHLORIDE				5 UG/L		UNV									
AMMONIA				.11 MG/L		NV				.1 MG/L		U			
BICARBONATE ALKALINITY				332 MG/L		NV									
CARBONATE ALKALINITY				3 MG/L		UNV									
CHLORIDE				43 MG/L		NV				27.2 MG/L		-			
FLUORIDE				.21 MG/L		NV				.07 MG/L		-			
NITRATE				.02 MG/L		UNV				.1 MG/L		R			
NITRITE, AS NITROGEN				.02 MG/L		UNV									
PH				7.21 SU		NV				.01 MG/L		-			
PHENOLS				.01 MG/L		UNV				.01 MG/L		-			
PHOSPHORUS				.1 MG/L		UNV				.08 MG/L		-			
SPECIFIC CONDUCTIVITY				1030 UMHOS/CM		NV									
SULFATE				206 MG/L		NV				78 MG/L		-			
SULFIDE										.5 MG/L		UJ			
TOTAL DISSOLVED SOLIDS	557 MG/L		NV												
TOTAL ORGANIC CARBON				15 MG/L		NV				2.74 MG/L		-			
TOTAL ORGANIC HALIDES				10 MG/L		UNV				.081 MG/L		-			
TOTAL ORGANIC NITROGEN										.26 MG/L		-			
TOTAL SOLIDS				543 MG/L		NV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	.2 MG/L		UNV	.07 MG/L		-				.233 MG/L		-
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV									
ARSENIC	.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		U				.002 MG/L		U
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV	.075 MG/L		-				.048 MG/L		-

SAMPLE NUMBER:	GW930104-9			GW930104-9			004291			004291			004187		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV									
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.005 MG/L		-				.005 MG/L		-
CALCIUM	140 MG/L		NV	137 MG/L		NV	126 MG/L		-				107 MG/L		-
CHROMIUM	.002 MG/L		UNV	.002 MG/L		UNV	.035 MG/L		-				.037 MG/L		-
COBALT	.005 MG/L		UNV	.005 MG/L		UNV									
COPPER	.02 MG/L		UNV	.02 MG/L		UNV	.011 MG/L		-				.004 MG/L		-
CYANIDE				.005 MG/L		UNV									
IRON	.44 MG/L		NV	.55 MG/L		NV	.244 MG/L		-				1.06 MG/L		-
LEAD	.003 MG/L		UNV	.003 MG/L		UNV	.002 MG/L		U				.027 MG/L		-
MAGNESIUM	32.5 MG/L		NV	32.7 MG/L		NV	32.6 MG/L		-				28.8 MG/L		-
MANGANESE	.417 MG/L		NV	.466 MG/L		NV	.288 MG/L		-				.286 MG/L		-
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UJ				.0002 MG/L		U
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		U				.009 MG/L		-
NICKEL	.01 MG/L		UNV	.01 MG/L		UNV	.021 MG/L		-				.02 MG/L		-
POTASSIUM				2.6 MG/L		NV	1.4 MG/L		-				1.41 MG/L		J
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		U				.002 MG/L		U
SILICON							5.44 MG/L		-				5.03 MG/L		-
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.02 MG/L		-				.011 MG/L		-
SODIUM				27 MG/L		NV	36.1 MG/L		-				23.9 MG/L		-
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.017 MG/L		-				.022 MG/L		-
ZINC	.02 MG/L		UNV	.02 MG/L		UNV									
MISC															
1,2,3-TRICHLOROPROPANE				5 UG/L		UNV									
1,2-DIBROMO-3-CHLOROPROPANE				2 UG/L		UNV									
1,2-DIBROMOETHANE				2 UG/L		UNV									
2-CHLORO-1,3-BUTADIENE				5 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACROLEIN				50 UG/L		UNV									
ACRYLONITRILE				50 UG/L		UNV									
DICHLORODIFLUOROMETHANE				10 UG/L		UNV									
ETHYL CYANIDE				20 UG/L		UNV									
ETHYL METHACRYLATE				5 UG/L		UNV									
IODOMETHANE				5 UG/L		UNV									
METHACRYLONITRILE				5 UG/L		UNV									
METHYL METHACRYLATE				5 UG/L		UNV									
PENTACHLOROETHANE				5 UG/L		UNV									
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									

SAMPLE NUMBER:	GW930104-9			GW930104-9			004291			004291			004187		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
TRANS-1,4-DICHLORO-2-BUTENE				20 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238										5.67 PCI/L	.81	-			
URANIUM, TOTAL										17.3 UG/L	2.5	J			
URANIUM-234										5.72 PCI/L	.82	J			
THORIUM-230										2.79 PCI/L	1.03	J			
RADIUM-226										1 PCI/L		UJ			
URANIUM-235/236										1 PCI/L		U			
THORIUM-232										1 PCI/L		U			
THORIUM, TOTAL										7.2 UG/L		U			
RADIUM-228										3 PCI/L		U			
THORIUM-228										3.32 PCI/L	1.13	J			
NEPTUNIUM-237										1 PCI/L		UJ			
PLUTONIUM-239/240										1 PCI/L		UJ			
PLUTONIUM-238										1 PCI/L		UJ			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		UJ			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
CUMENE				1 UG/L		UNV									
VOLATILES															
1,1,1,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				10 UG/L		UNV									
2-HEXANONE				10 UG/L		UNV									
4-METHYL-2-PENTANONE				10 UG/L		UNV									
ACETONE				10 UG/L		UNV									
BENZENE				1 UG/L		UNV									

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930104-9			GW930104-9			004291			004291			004187		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				5 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				10 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				10 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				10 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
TRICHLOROFLUOROMETHANE				1 UG/L		UNV									
VINYL ACETATE				10 UG/L		UNV									
VINYL CHLORIDE				5 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004187	EMGW_SYSGEN_749	003158	003158	003776
TASK:	3.2.4	GWMON	3.2.4	3.2.4	3.2.4
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	2120	2120	2121	2121	2121
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-MAR-90	30-OCT-90	06-MAY-88	06-MAY-88	13-DEC-88
NORTH COORDINATE:	480186.92	480186.92	486946.78	486946.78	486946.78
EAST COORDINATE:	1382123.05	1382123.05	1389231.79	1389231.79	1389231.79
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U							.1 MG/L		U			
CHLORIDE	22.8 MG/L		-							.02 MG/L		-			
FLUORIDE	.22 MG/L		-							.35 MG/L		-			
NITRATE	.105 MG/L		J							.4 MG/L		J			
PHENOLS	.01 MG/L		-							.02 MG/L		J			
PHOSPHORUS	1.14 MG/L		J							.05 MG/L		UJ			
SULFATE	114 MG/L		-							47 MG/L		-			
SULFIDE	.5 MG/L		U												
TOTAL ORGANIC CARBON	2.9 MG/L		-												
TOTAL ORGANIC HALIDES	.061 MG/L		R												
TOTAL ORGANIC NITROGEN	.29 MG/L		-							.3 MG/L		-			
INORGANICS															
ARSENIC							.2 MG/L		U				.002 MG/L		U
BARIUM							.035 MG/L		-				.044 MG/L		-
CADMIUM							.005 MG/L		U				.002 MG/L		U
CALCIUM							70.2 MG/L		-				95.2 MG/L		-
CHROMIUM							.02 MG/L		U				.02 MG/L		U
COPPER							.012 MG/L		U				.176 MG/L		-
IRON							.005 MG/L		U				.005 MG/L		U
LEAD				.019 MG/L		NV	.08 MG/L		-				.002 MG/L		U
MAGNESIUM							15.7 MG/L		-				21.6 MG/L		-
MANGANESE							.003 MG/L		-				.002 MG/L		U
MERCURY							.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM							.02 MG/L		U				.02 MG/L		U
NICKEL							.02 MG/L		U				.02 MG/L		U

SAMPLE NUMBER:	004187			EMGW_SYSGEN_749			003158			003158			003776		
LAB:	IT			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM							3.01 MG/L		-				3 MG/L		-
SELENIUM							.2 MG/L		U				.002 MG/L		UJ
SILVER							.01 MG/L		U				.01 MG/L		UJ
SODIUM							11.6 MG/L		-				16.2 MG/L		-
RADIONUCLIDES															
URANIUM-238	6.08 PCI/L	.91	J							1 PCI/L		U			
URANIUM, TOTAL	15.9 UG/L	2.4	J							1 UG/L		U			
URANIUM-234	6.56 PCI/L	.96	J							1 PCI/L		U			
THORIUM-230	1 PCI/L		U							1.7 PCI/L	.6	-			
RADIUM-226	1 PCI/L		R							1.1 PCI/L	.6	R			
URANIUM-235/236	1 PCI/L		UJ							1 PCI/L		U			
THORIUM-232	1 PCI/L		U							1 PCI/L		U			
THORIUM, TOTAL	2.9 UG/L		U												
RADIUM-228	3 PCI/L		UJ							3 PCI/L		R			
THORIUM-228	1 PCI/L		U							1 PCI/L		U			
NEPTUNIUM-237	1 PCI/L		U							1 PCI/L		R			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90	5 PCI/L		U							5 PCI/L		U			
TECHNETIUM-99	30 PCI/L		U							30 PCI/L		U			
RUTHENIUM-106	150 PCI/L		R							150 PCI/L		R			
CESIUM-137	20 PCI/L		R							20 PCI/L		R			
VOLATILES															
BENZENE				.5 UG/L		UNV									
ETHYLBENZENE				.5 UG/L		UNV									
TOLUENE				.5 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003776			003962			003962			003571			003571		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2121			2121			2121			2121			2121		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-DEC-88			14-MAR-89			14-MAR-89			25-AUG-88			25-AUG-88		
NORTH COORDINATE:	486946.78			486946.78			486946.78			486946.78			486946.78		
EAST COORDINATE:	1389231.79			1389231.79			1389231.79			1389231.79			1389231.79		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U				.2 MG/L		UJ				.1 MG/L		U
CHLORIDE	7 MG/L		J				28 MG/L		UJ				25 MG/L		-
FLUORIDE	.29 MG/L		-				.2 MG/L		J				.32 MG/L		-
NITRATE	6.75 MG/L		J				1.3 MG/L		J				2 MG/L		-
PHENOLS	.01 MG/L		U				.025 MG/L		J				.01 MG/L		U
PHOSPHORUS	.045 MG/L		-				.02 MG/L		J				.055 MG/L		-
SULFATE	43 MG/L		J				49 MG/L		J				64 MG/L		J
TOTAL KJELDAHL NITROGEN	.28 MG/L		J				.6 MG/L		J						
TOTAL ORGANIC HALIDES	.05 MG/L		UJ				.05 MG/L		UJ				.05 MG/L		U
TOTAL ORGANIC NITROGEN	.28 MG/L		-				.4 MG/L		J				.1 MG/L		UJ
INORGANICS															
ARSENIC				.003 MG/L		UJ				.002 MG/L		U			
BARIUM				.04 MG/L		J				.04 MG/L		-			
CADMIUM				.005 MG/L		UJ				.002 MG/L		U			
CALCIUM				95 MG/L		J				89.6 MG/L		-			
CHROMIUM				.02 MG/L		J				.02 MG/L		U			
COPPER				.12 MG/L		J				.14 MG/L		-			
IRON				.02 MG/L		UJ				.005 MG/L		U			
LEAD				.002 MG/L		UJ				.002 MG/L		UJ			
MAGNESIUM				20 MG/L		J				20.2 MG/L		-			
MANGANESE				.073 MG/L		J				.002 MG/L		-			
MERCURY				.0002 MG/L		UJ				.0002 MG/L		UJ			
MOLYBDENUM				.01 MG/L		UJ				.02 MG/L		U			
NICKEL				.03 MG/L		UJ				.02 MG/L		U			
POTASSIUM				3 MG/L		J				3 MG/L		-			

SAMPLE NUMBER:	003776			003962			003962			003571			003571		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.005 MG/L		UJ				.002 MG/L		U			
SILVER				.01 MG/L		UJ				.01 MG/L		U			
SODIUM				16 MG/L		J				16.7 MG/L		-			
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL	.6 UG/L	.1	-				1 UG/L		U				.9 UG/L	.1	J
URANIUM-234	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM-230	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
RADIUM-226	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM-232	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL	2 UG/L		U				10 UG/L		UJ				2 UG/L	1	-
RADIUM-228	3 PCI/L		U				3 PCI/L		U				3 PCI/L		U
THORIUM-228	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R				150 PCI/L		R
CESIUM-137	20 PCI/L		R				20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003157			003157			003749			003749			003979		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2122			2122			2122			2122			2122		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	06-MAY-88			06-MAY-88			07-DEC-88			07-DEC-88			15-MAR-89		
NORTH COORDINATE:	485610.43			485610.43			485610.43			485610.43			485610.43		
EAST COORDINATE:	1388577.65			1388577.65			1388577.65			1388577.65			1388577.65		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.1 MG/L		UJ			
CHLORIDE				20.2 MG/L		-				5 MG/L		-			
FLUORIDE				.34 MG/L		-				.21 MG/L		-			
NITRATE				.8 MG/L		J				9.32 MG/L		J			
PHENOLS				.01 MG/L		J				.014 MG/L		-			
PHOSPHORUS				.05 MG/L		UJ				.184 MG/L		-			
SULFATE				52 MG/L		-				3.08 MG/L		-			
TOTAL KJELDAHL NITROGEN										.22 MG/L		J			
TOTAL ORGANIC HALIDES										.05 MG/L		U			
TOTAL ORGANIC NITROGEN				.2 MG/L		-				.22 MG/L		-			
INORGANICS															
ARSENIC	.2 MG/L		U				.002 MG/L		U				.003 MG/L		U
BARIUM	.039 MG/L		-				.057 MG/L		-				.043 MG/L		-
CADMIUM	.005 MG/L		U				.002 MG/L		U				.005 MG/L		U
CALCIUM	76.7 MG/L		-				93 MG/L		-				91 MG/L		-
CHROMIUM	.02 MG/L		U				.02 MG/L		U				.01 MG/L		-
COPPER	.01 MG/L		U				.015 MG/L		-				.01 MG/L		-
IRON	.005 MG/L		U				.005 MG/L		U				.05 MG/L		UJ
LEAD	.06 MG/L		-				.002 MG/L		UJ				.002 MG/L		U
MAGNESIUM	17 MG/L		-				29.8 MG/L		-				18 MG/L		-
MANGANESE	.001 MG/L		U				.001 MG/L		U				.005 MG/L		U
MERCURY	.0002 MG/L		U				.0002 MG/L		U				.0002 MG/L		UJ
MOLYBDENUM	.02 MG/L		U				.04 MG/L		-				.01 MG/L		U
NICKEL	.02 MG/L		U				.02 MG/L		U				.03 MG/L		U
POTASSIUM	2.54 MG/L		-				2.07 MG/L		-				2.7 MG/L		-

SAMPLE NUMBER:	003157			003157			003749			003749			003979		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.2 MG/L		U				.002 MG/L		UJ				.005 MG/L		U
SILVER	.01 MG/L		U				.0005 MG/L		UJ				.01 MG/L		U
SODIUM	9.41 MG/L		-				22.4 MG/L		-				12 MG/L		-
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		U			
URANIUM, TOTAL				2 UG/L	1	-				.4 UG/L	.1	U			
URANIUM-234				1 PCI/L		U				1 PCI/L		U			
THORIUM-230				1 PCI/L	.5	-				1 PCI/L		U			
RADIUM-226				1 PCI/L		R				1 PCI/L		U			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL										3 UG/L		U			
RADIUM-228				3 PCI/L		R				3 PCI/L		U			
THORIUM-228				1 PCI/L		U				1 PCI/L		U			
NEPTUNIUM-237				1 PCI/L		R				1 PCI/L		U			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003979	003504	003504	003771	003771
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2122	2122	2122	2123	2123
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-MAR-89	17-AUG-88	17-AUG-88	06-DEC-88	06-DEC-88
NORTH COORDINATE:	485610.43	485610.43	485610.43	476285.02	476285.02
EAST COORDINATE:	1388577.65	1388577.65	1388577.65	1374988.55	1374988.55
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U				.1 MG/L		U				.1 MG/L		UJ
CHLORIDE	23 MG/L		-				20 MG/L		J				1 MG/L		U
FLUORIDE	.2 MG/L		-				.22 MG/L		-				.19 MG/L		-
NITRATE	1.2 MG/L		J				5.7 MG/L		J				11.4 MG/L		J
PHENOLS	.005 MG/L		U				.02 MG/L		J				.02 MG/L		-
PHOSPHORUS	.02 MG/L		-				.05 MG/L		U				.018 MG/L		U
SULFATE	58 MG/L		-				18 MG/L		J				3.24 MG/L		-
TOTAL KJELDAHL NITROGEN	.2 MG/L		U										.11 MG/L		UJ
TOTAL ORGANIC HALIDES	.05 MG/L		U				.05 MG/L		U				.05 MG/L		U
TOTAL ORGANIC NITROGEN	.2 MG/L		-				.1 MG/L		U				.11 MG/L		UJ
INORGANICS															
ARSENIC				.2 MG/L		U				.005 MG/L		UJ			
BARIUM				.035 MG/L		-				.036 MG/L		U			
CADMIUM				.002 MG/L		U				.002 MG/L		U			
CALCIUM				83.5 MG/L		-				88.7 MG/L		-			
CHROMIUM				.02 MG/L		U				.02 MG/L		U			
COPPER				.01 MG/L		U				.012 MG/L		U			
IRON				.005 MG/L		U				.019 MG/L		U			
LEAD				.05 MG/L		U				.002 MG/L		UJ			
MAGNESIUM				18.3 MG/L		-				22.2 MG/L		-			
MANGANESE				.001 MG/L		U				.001 MG/L		U			
MERCURY				.0002 MG/L		UJ				.0002 MG/L		U			
MOLYBDENUM				.025 MG/L		-				.02 MG/L		U			
NICKEL				.02 MG/L		U				.02 MG/L		U			
POTASSIUM				2.8 MG/L		-				1.27 MG/L		-			

SAMPLE NUMBER:	003979			003504			003504			003771			003771		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.2 MG/L		U				.002 MG/L		UJ			
SILVER				.01 MG/L		U				.02 MG/L		U			
SODIUM				10.9 MG/L		-				2.75 MG/L		-			
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL	.2 UG/L	.1	-				.3 UG/L	.1	-				.3 UG/L	.1	-
URANIUM-234	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM-230	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
RADIUM-226	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM-232	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL	5 UG/L		U				3 UG/L		U				2 UG/L		U
RADIUM-228	3 PCI/L		UJ				3 PCI/L		U				3 PCI/L		U
THORIUM-228	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R				150 PCI/L		R
CESIUM-137	20 PCI/L		R				20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003156	003156	003984	003984	003565
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2123	2123	2123	2123	2123
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-MAY-88	06-MAY-88	14-MAR-89	14-MAR-89	23-AUG-88
NORTH COORDINATE:	476285.02	476285.02	476285.02	476285.02	476285.02
EAST COORDINATE:	1374988.55	1374988.55	1374988.55	1374988.55	1374988.55
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.1 MG/L		UJ			
CHLORIDE				11.9 MG/L		-				13 MG/L		UJ			
FLUORIDE				.32 MG/L		-				.2 MG/L		J			
NITRATE				10 MG/L		J				3.7 MG/L		J			
PHENOLS				.01 MG/L		UJ				.005 MG/L		UJ			
PHOSPHORUS				.05 MG/L		UJ				.02 MG/L		J			
SULFATE				35 MG/L		-				34 MG/L		J			
TOTAL KJELDAHL NITROGEN										.2 MG/L		UJ			
TOTAL ORGANIC HALIDES										.05 MG/L		UJ			
TOTAL ORGANIC NITROGEN				.1 MG/L		U				.1 MG/L		J			
INORGANICS															
ARSENIC	.2 MG/L		U				.003 MG/L		UJ				.002 MG/L		U
BARIUM	.036 MG/L		-				.036 MG/L		J				.036 MG/L		-
CADMIUM	.005 MG/L		U				.005 MG/L		UJ				.002 MG/L		U
CALCIUM	81.7 MG/L		-				92 MG/L		J				91.4 MG/L		-
CHROMIUM	.02 MG/L		U				.02 MG/L		J				.02 MG/L		U
COPPER	.01 MG/L		U				.02 MG/L		J				.023 MG/L		-
IRON	.005 MG/L		U				.02 MG/L		UJ				.005 MG/L		U
LEAD	.05 MG/L		U				.002 MG/L		UJ				.004 MG/L		J
MAGNESIUM	20.7 MG/L		-				21 MG/L		J				22.9 MG/L		-
MANGANESE	.005 MG/L		-				.005 MG/L		UJ				.002 MG/L		-
MERCURY	.0002 MG/L		U				.0002 MG/L		UJ				.0002 MG/L		U
MOLYBDENUM	.02 MG/L		U				.01 MG/L		UJ				.02 MG/L		U
NICKEL	.02 MG/L		U				.03 MG/L		UJ				.02 MG/L		U
POTASSIUM	1.28 MG/L		-				1.2 MG/L		J				1.7 MG/L		

SAMPLE NUMBER:	003156			003156			003984			003984			003565		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM	.2 MG/L		U				.005 MG/L		UJ				.002 MG/L		UJ
SILVER	.01 MG/L		U				.01 MG/L		UJ				.01 MG/L		U
SODIUM	1.96 MG/L		-				2.7 MG/L		J				2.9 MG/L		-
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		U			
URANIUM, TOTAL				1 UG/L		U				1 UG/L		U			
URANIUM-234				1 PCI/L		U				1 PCI/L		U			
THORIUM-230				2.1 PCI/L	.8	-				1 PCI/L		U			
RADIUM-226				1 PCI/L		R				1 PCI/L		U			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL										7 UG/L		U			
RADIUM-228				3 PCI/L		R				3 PCI/L		U			
THORIUM-228				1 PCI/L	.8	-				1 PCI/L		U			
NEPTUNIUM-237				1 PCI/L		R				1 PCI/L		U			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	003565	068268	068268	068269	068070
TASK:	3.2.4	3.11	3.11	3.11	3.11
LAB:	IT	IT	IT-KNOX	WEMCO	IT/RSL
WELL OR BORING NUMBER:	2123	2125	2125	2125	2125
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-AUG-88	01-OCT-91	01-OCT-91	01-OCT-91	05-JUN-91
NORTH COORDINATE:	476285.02	474354.95	474354.95	474354.95	474354.95
EAST COORDINATE:	1374988.55	1379479.44	1379479.44	1379479.44	1379479.44
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UJ				.1 MG/L		U						
CHLORIDE	11.5 MG/L		-				35 MG/L		-						
FLUORIDE	.3 MG/L		J				.3 MG/L		-						
NITRATE	.5 MG/L		J				4 MG/L		-						
PHENOLS	.02 MG/L		J				.01 MG/L		U						
PHOSPHORUS	.05 MG/L		U				.04 MG/L		U						
SULFATE	36 MG/L		J				46 MG/L		-						
SULFIDE							9.6 MG/L		-						
TOTAL ORGANIC CARBON							1 MG/L		-						
TOTAL ORGANIC HALIDES	.05 MG/L		UJ				.014 MG/L		J						
TOTAL ORGANIC NITROGEN	.1 MG/L		J				.1 MG/L		U						
INORGANICS															
ALUMINUM							.0871 MG/L		J						
ANTIMONY							.03 MG/L		U						
ARSENIC							.002 MG/L		U						
BARIUM							.0404 MG/L		-						
BERYLLIUM							.001 MG/L		U						
CADMIUM							.005 MG/L		U						
CALCIUM							123 MG/L		-						
CHROMIUM							.01 MG/L		U						
COBALT							.02 MG/L		U						
COPPER							.01 MG/L		U						
IRON							.112 MG/L		J						
LEAD							.002 MG/L		U						
MAGNESIUM							27.8 MG/L		-						

SAMPLE NUMBER:	003565			068268			068268			068269			068070		
LAB:	IT			IT			IT-KNOX			WEMCO			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE							.0035 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.01 MG/L		U						
NICKEL							.021 MG/L		-						
POTASSIUM							2.63 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILICON							4.5 MG/L		-						
SILVER							.005 MG/L		U						
SODIUM							28.5 MG/L		-						
THALLIUM							.002 MG/L		U						
VANADIUM							.01 MG/L		U						
ZINC							.0239 MG/L		UJ						
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U	16.1 PCI/L	2	NV									
URANIUM, TOTAL	.4 UG/L	.1	-	45.5 UG/L	6.3	NV				45 UG/L		NV	4.56 UG/L	.47	J
URANIUM-234	1 PCI/L		U	15 PCI/L	1.9	NV									
THORIUM-230	1 PCI/L		U	1 PCI/L		NV							1 PCI/L		U
RADIUM-226	1 PCI/L		UJ	1 PCI/L		UNV							1 PCI/L		U
URANIUM-235/236	1 PCI/L		U	1.57 PCI/L	.36	NV									
THORIUM-232	1 PCI/L		U	1 PCI/L		NV							1 PCI/L		U
THORIUM, TOTAL	2 UG/L		U	1 UG/L		NV							2.3 UG/L		U
RADIUM-228	3 PCI/L		U	3 PCI/L		UNV							3 PCI/L		U
THORIUM-228	1 PCI/L		U	1 PCI/L		NV							1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		U	1 PCI/L		NV							1 PCI/L		UJ
PLUTONIUM-239/240	1 PCI/L		U	1 PCI/L		NV							1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U	1 PCI/L		NV							1 PCI/L		U
STRONTIUM-90	5 PCI/L		U	5 PCI/L		NV							5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U	30 PCI/L		NV							30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R	150 PCI/L		UNV							150 PCI/L		R
CESIUM-137	20 PCI/L		R	20 PCI/L		NV							20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_753	EMGW_SYSGEN_753	004178	EMGW_SYSGEN_755	EMGW_SYSGEN_755
TASK:	GWMON	GWMON	3.2.4	GWMON	GWMON
LAB:	IT	NET	IT	IT	NET
WELL OR BORING NUMBER:	2125	2125	2125	2125	2125
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-SEP-90	06-SEP-90	09-JAN-90	11-MAR-91	11-MAR-91
NORTH COORDINATE:	474354.95	474354.95	474354.95	474354.95	474354.95
EAST COORDINATE:	1379479.44	1379479.44	1379479.44	1379479.44	1379479.44
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				342 MG/L		NV							372 MG/L		NV
AMMONIA													.02 MG/L		UNV
CHLORIDE				40 MG/L		NV							89 MG/L		NV
FLUORIDE				.4 MG/L		NV							.16 MG/L		NV
NITRATE, AS NITROGEN				2.07 MG/L		NV							3.54 MG/L		NV
PH				7.14 SU		NV							7.11 SU		NV
PHENOLS				.005 MG/L		UNV							.005 MG/L		UNV
PHOSPHORUS													.18 MG/L		NV
SPECIFIC CONDUCTIVITY				786 UMHOS/CM		NV							1030 UMHOS/CM		NV
SULFATE				54 MG/L		NV							50 MG/L		NV
SULFIDE							.5 MG/L		UJ						
TOTAL DISSOLVED SOLIDS				615 MG/L		NV							556 MG/L		NV
TOTAL ORGANIC CARBON				2 MG/L		NV							6 MG/L		NV
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV							.053 MG/L		NV
INORGANICS															
ALUMINUM													1.37 MG/L		NV
ANTIMONY													.025 MG/L		UNV
ARSENIC													.0025 MG/L		UNV
BARIUM													.2 MG/L		UNV
BERYLLIUM													.01 MG/L		UNV
CADMIUM													.001 MG/L		UNV
CALCIUM													118 MG/L		NV
CHROMIUM													.197 MG/L		NV
COBALT													.025 MG/L		UNV
COPPER													.025 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_753			EMGW_SYSGEN_753			004178			EMGW_SYSGEN_755			EMGW_SYSGEN_755		
LAB:	IT			NET			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE													.005 MG/L		UNV
IRON													5.47 MG/L		NV
LEAD													.008 MG/L		NV
MAGNESIUM													33.8 MG/L		NV
MANGANESE													.154 MG/L		NV
MERCURY													.0002 MG/L		UNV
MOLYBDENUM													.025 MG/L		UNV
NICKEL													.018 MG/L		NV
POTASSIUM													3.46 MG/L		NV
SELENIUM													.0025 MG/L		UNV
SILVER													.003 MG/L		NV
SODIUM													51.6 MG/L		NV
THALLIUM													.01 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	1.98 PCI/L		NV							19.7 PCI/L		NV			
URANIUM, TOTAL	59.4 UG/L		NV							52.7 UG/L		NV			
URANIUM-234	17.2 PCI/L		NV							18.2 PCI/L		NV			
THORIUM-230	.609 PCI/L		NV							.24 PCI/L		NV			
RADIUM-226	1 PCI/L		UNV							1 PCI/L		UNV			
URANIUM-235/236	.993 PCI/L		NV							1.22 PCI/L		NV			
THORIUM-232	.39 PCI/L		UNV							.22 PCI/L		UNV			
THORIUM, TOTAL	3.5 UG/L		UNV							1.9 UG/L		UNV			
RADIUM-228	3 PCI/L		UNV							3 PCI/L		UNV			
THORIUM-228	1.02 PCI/L		NV							.529 PCI/L		NV			
NEPTUNIUM-237										.5 PCI/L		UNV			
PLUTONIUM-239/240										.5 PCI/L		UNV			
PLUTONIUM-238										.5 PCI/L		UNV			
TECHNETIUM-99										29 PCI/L		UNV			
RUTHENIUM-106										150 PCI/L		UNV			
CESIUM-137										6.7 PCI/L		UNV			
GROSS ALPHA	52.2 PCI/L		NV							26.7 PCI/L		NV			
GROSS BETA	43.7 PCI/L		NV							27.8 PCI/L		NV			

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER				60 UG/L		UNV						10 UG/L		UNV	
07/25/94															
SAMPLE NUMBER:	EMGW_SYSGEN_753			EMGW_SYSGEN_753			004178			EMGW_SYSGEN_755			EMGW_SYSGEN_755		
LAB:	IT			NET			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1,2-TRICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,1-DICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV							1 UG/L		UNV
1,2-DICHLOROPROPANE				1 UG/L		UNV							1 UG/L		UNV
2-BUTANONE				2 UG/L		UNV							2 UG/L		UNV
2-HEXANONE				2 UG/L		UNV							2 UG/L		UNV
4-METHYL-2-PENTANONE				2 UG/L		UNV							2 UG/L		UNV
ACETONE				2 UG/L		UNV							2 UG/L		UNV
BENZENE				1 UG/L		UNV							1 UG/L		UNV
BROMODICHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
BROMOFORM				1 UG/L		UNV							1 UG/L		UNV
BROMOMETHANE				1 UG/L		UNV							1 UG/L		UNV
CARBON DISULFIDE				1 UG/L		UNV							1 UG/L		UNV
CARBON TETRACHLORIDE				1 UG/L		UNV							1 UG/L		UNV
CHLOROBENZENE				1 UG/L		UNV							1 UG/L		UNV
CHLOROETHANE				1 UG/L		UNV							1 UG/L		UNV
CHLOROFORM				1 UG/L		UNV							1 UG/L		UNV
CHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV							1 UG/L		UNV
DIBROMOCHLOROMETHANE				1 UG/L		UNV							1 UG/L		UNV
ETHYLBENZENE				1 UG/L		UNV							1 UG/L		UNV
METHYLENE CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
STYRENE				1 UG/L		UNV							1 UG/L		UNV
TETRACHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
TOLUENE				1 UG/L		UNV							1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV							1 UG/L		UNV
TRICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
VINYL ACETATE				2 UG/L		UNV							2 UG/L		UNV
VINYL CHLORIDE				1 UG/L		UNV							1 UG/L		UNV
XYLENES, TOTAL				1 UG/L		UNV							1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_756	004177	004177	066855	067960
TASK:	GWMON	3.2.4	3.2.4	9.25	3.11
LAB:	WMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	2125	2125	2125	2125	2125
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-AUG-91	13-DEC-89	13-DEC-89	13-DEC-89	15-MAR-91
NORTH COORDINATE:	474354.95	474354.95	474354.95	474354.95	474354.95
EAST COORDINATE:	1379479.44	1379479.44	1379479.44	1379479.44	1379479.44
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U						
CHLORIDE							24.2 MG/L		J				89.4 MG/L		J
FLUORIDE							.25 MG/L		-						
NITRATE							1.11 MG/L		J						
PHENOLS							.014 MG/L		-						
PHOSPHORUS							.7 MG/L		-						
SULFATE							60.5 MG/L		-						
TOTAL KJELDAHL NITROGEN							.419 MG/L		-						
TOTAL ORGANIC CARBON							3.31 MG/L		-						
TOTAL ORGANIC HALIDES							.01 MG/L		UJ						
TOTAL ORGANIC NITROGEN							.419 MG/L		-						
INORGANICS															
ALUMINUM				.273 MG/L		J							.079 MG/L		-
ARSENIC				.002 MG/L		UJ							.002 MG/L		U
BARIUM				.035 MG/L		J							.042 MG/L		-
CADMIUM				.01 MG/L		U							.0048 MG/L		-
CALCIUM				113 MG/L		-							134 MG/L		-
CHROMIUM				.028 MG/L		-							.023 MG/L		-
COPPER				.014 MG/L		-							.0101 MG/L		-
IRON				.073 MG/L		J							.039 MG/L		-
LEAD				.002 MG/L		U							.002 MG/L		U
MAGNESIUM				24.4 MG/L		-							28.5 MG/L		-
MANGANESE				.032 MG/L		-							.006 MG/L		-
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.01 MG/L		U							.01 MG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_756			004177			004177			066855			067960		
LAB:	WMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.02 MG/L		UJ							.02 MG/L		U
POTASSIUM				2.75 MG/L		-							2.36 MG/L		-
SELENIUM				.002 MG/L		UJ							.002 MG/L		U
SILICON				4.25 MG/L		-							4.12 MG/L		-
SILVER				.011 MG/L		-							.026 MG/L		-
SODIUM				9.9 MG/L		-							31.5 MG/L		-
VANADIUM				.018 MG/L		-							.0129 MG/L		-
RADIONUCLIDES															
URANIUM-238							15.7 PCI/L	2	-	16.6 PCI/L	2.2	-			
URANIUM, TOTAL	4.2 UG/L		NV				66.2 UG/L	9.3	-	68.6 UG/L	10.3	-			
URANIUM-234							13.8 PCI/L	1.8	-	14.1 PCI/L	1.9	-			
THORIUM-230							1 PCI/L		U	1 PCI/L		U			
URANIUM-235/236							1.1 PCI/L	.29	-	1 PCI/L		U			
THORIUM-232							1 PCI/L		U						
THORIUM, TOTAL							2 UG/L		U						
RADIUM-228							3 PCI/L		UJ						
THORIUM-228							1 PCI/L		U	1 PCI/L		U			
NEPTUNIUM-237							1 PCI/L		UJ						
PLUTONIUM-239/240							1 PCI/L		UJ						
PLUTONIUM-238							1 PCI/L		UJ						
STRONTIUM-90							5 PCI/L		UJ						
TECHNETIUM-99							30 PCI/L		UJ	30 PCI/L		U			
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
RADIUM, TOTAL							1 PCI/L		NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	067960	067960	068308	068309	068310
TASK:	3.11	3.11	3.11	3.11	3.11
LAB:	IT	IT/RSL	IT	WEMCO	IT
WELL OR BORING NUMBER:	2125	2125	2125	2125	2125
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-MAR-91	15-MAR-91	15-OCT-91	15-OCT-91	15-OCT-91
NORTH COORDINATE:	474354.95	474354.95	474354.95	474354.95	474354.95
EAST COORDINATE:	1379479.44	1379479.44	1379479.44	1379479.44	1379479.44
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					068308
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL	NONE-FIL

	067960 RESULT	SIGMA	VAL QUAL(1)	067960 RESULT	SIGMA	VAL QUAL(1)	068308 RESULT	SIGMA	VAL QUAL(1)	068309 RESULT	SIGMA	VAL QUAL(1)	068310 RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.193 MG/L		-												
FLUORIDE	.21 MG/L		-												
NITRATE	3.05 MG/L		J												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.3 MG/L		-												
SULFATE	36.6 MG/L		-												
SULFIDE	.5 MG/L		U												
TOTAL ORGANIC CARBON	1.78 MG/L		-												
TOTAL ORGANIC HALIDES	.031 MG/L		-												
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
INORGANICS															
MERCURY	.0002 MG/L		U												
RADIONUCLIDES															
URANIUM-238				19.4 PCI/L	2.3	-	16.9 PCI/L	2.3	-				15.5 PCI/L	2	-
URANIUM, TOTAL				58.5 UG/L	7.9	-	44.3 UG/L	6.2	-	44 UG/L		NV	45.6 UG/L	6.4	-
URANIUM-234				17.5 PCI/L	2.1	-	15.3 PCI/L	2.1	-				15 PCI/L	1.9	-
THORIUM-230				1 PCI/L		U	1.31 PCI/L	.7	J				1 PCI/L		U
RADIUM-226				1 PCI/L		U	1 PCI/L		U				1 PCI/L		U
URANIUM-235/236				1.04 PCI/L	.26	-	2.31 PCI/L	.52	-				1.46 PCI/L	.35	-
THORIUM-232				1 PCI/L		U	1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL				1.7 UG/L		U	2.1 UG/L		U				5.1 UG/L		U
RADIUM-228				3 PCI/L		U	3 PCI/L		U				3 PCI/L		U
THORIUM-228				2.02 PCI/L	.43	J	1.1 PCI/L		U				1 PCI/L		U

SAMPLE NUMBER:	067960			067960			068308			068309			068310		
LAB:	IT			IT/RSL			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U	1 PCI/L		UJ				1 PCI/L		UJ
PLUTONIUM-238				1 PCI/L		U	1 PCI/L		UJ				1 PCI/L		R
STRONTIUM-90				5 PCI/L		UJ	5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99				30 PCI/L		UJ	30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106				150 PCI/L		R	150 PCI/L		R				150 PCI/L		R
CESIUM-137				20 PCI/L		R	20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930915-24	068025	068026	068576	GW930520-1
TASK:	DMEPP	3.11	3.11	3.11	50.03.23
LAB:	FERMCO	IT	WEMCO	IT	CORE
WELL OR BORING NUMBER:	2125	2125	2125	2125	2125
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-SEP-93	17-MAY-91	17-MAY-91	20-FEB-92	20-MAY-93
NORTH COORDINATE:	474354.95	474354.95	474354.95	474354.95	474354.95
EAST COORDINATE:	1379479.44	1379479.44	1379479.44	1379479.44	1379479.44
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238				18.7 PCI/L	2.2	-				20.9 PCI/L	3.1	-	12.8 PCI/L	1.8	J
URANIUM, TOTAL	36 UG/L		NV	55.8 UG/L	8	-	51 UG/L		NV	45.5 UG/L	5.5	-	43.1 UG/L	3	-
URANIUM-234				16.5 PCI/L	2	-				19.4 PCI/L	2.9	-	10.7 PCI/L	1.6	J
THORIUM-230				1 PCI/L		U				1 PCI/L		U	.2 PCI/L	.2	R
RADIUM-226				1 PCI/L		U				1 PCI/L		U	1 PCI/L	.5	U
URANIUM-235/236				1 PCI/L		U				2.02 PCI/L	.7	-	.7 PCI/L	.4	J
THORIUM-232				1 PCI/L		U				1 PCI/L		U	.2 PCI/L	.2	R
THORIUM, TOTAL				3.5 UG/L		U				4.2 UG/L		U			
RADIUM-228				3 PCI/L		U				3 PCI/L		U	3 PCI/L	1	U
THORIUM-228				1 PCI/L		U				1.56 PCI/L	.67	J	.2 PCI/L	.2	R
NEPTUNIUM-237				1 PCI/L		R									
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		UJ			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		U			
CESIUM-137				20 PCI/L		R				20 PCI/L		U			
GROSS ALPHA										30.7 PCI/L	7.7	NV	12.8 PCI/L	2.5	NV
GROSS BETA										11.3 PCI/L	3.4	NV	16.9 PCI/L	2.1	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930520-1	GW930520-1	GW930520-1	GW930520-1	GW930520-1
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	FERMCO	FERMCO	LOCKHEED	LOCKHEED
WELL OR BORING NUMBER:	2125	2125	2125	2125	2125
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-MAY-93	20-MAY-93	20-MAY-93	20-MAY-93	20-MAY-93
NORTH COORDINATE:	474354.95	474354.95	474354.95	474354.95	474354.95
EAST COORDINATE:	1379479.44	1379479.44	1379479.44	1379479.44	1379479.44
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													240 MG/L		-
AMMONIA													.065 MG/L		-
BICARBONATE ALKALINITY													240 MG/L		-
CARBONATE ALKALINITY													30 MG/L		U
CHLORIDE													21 MG/L		-
FLUORIDE													.21 MG/L		-
NITRATE/NITRITE													.5 MG/L		-
PH													7.6 SU		-
PHENOLS													.15 MG/L		U
PHOSPHORUS													.12 MG/L		-
SPECIFIC CONDUCTIVITY													670 UMHOS/CM		-
SULFATE													55 MG/L		-
TOTAL DISSOLVED SOLIDS										390 MG/L		-			
TOTAL ORGANIC CARBON													1.9 MG/L		-
TOTAL ORGANIC HALIDES													.045 MG/L		U
TOTAL ORGANIC NITROGEN													.19 MG/L		-
TOTAL SOLIDS													400 MG/L		-
INORGANICS															
ALUMINUM										.024 MG/L		U	.039 MG/L		-
ANTIMONY										.027 MG/L		U	.027 MG/L		U
ARSENIC										.002 MG/L		U	.002 MG/L		U
BARIUM										.0282 MG/L		-	.0368 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.002 MG/L		U	.002 MG/L		U
CALCIUM										101 MG/L		-	108 MG/L		-

SAMPLE NUMBER:	GW930520-1			GW930520-1			GW930520-1			GW930520-1			GW930520-1		
LAB:	CORE			FERMCO			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM										.004 MG/L		U	.151 MG/L		-
COBALT										.005 MG/L		U	.005 MG/L		U
COPPER										.0032 MG/L		U	.0059 MG/L		-
CYANIDE										.02 MG/L		U	.02 MG/L		U
IRON										.005 MG/L		U	.657 MG/L		-
LEAD										.002 MG/L		U	.002 MG/L		U
MAGNESIUM										22.5 MG/L		-	24.8 MG/L		-
MANGANESE										.001 MG/L		U	.006 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM										.011 MG/L		U	.011 MG/L		U
NICKEL										.011 MG/L		U	.0115 MG/L		-
POTASSIUM										3.02 MG/L		-	3.18 MG/L		-
SELENIUM										.001 MG/L		U	.001 MG/L		UJ
SILVER										.004 MG/L		U	.004 MG/L		U
SODIUM										11.4 MG/L		-	12.5 MG/L		-
THALLIUM										.003 MG/L		UJ	.003 MG/L		U
VANADIUM										.004 MG/L		U	.004 MG/L		U
ZINC										.003 MG/L		U	.014 MG/L		U
RADIONUCLIDES															
URANIUM-238	14 PCI/L	1.9	J												
URANIUM, TOTAL	41.4 UG/L	2.9	-	38 UG/L		NV	38 UG/L		NV						
URANIUM-234	11.8 PCI/L	1.7	J												
THORIUM-230	.3 PCI/L	.1	UJ												
RADIUM-226	1 PCI/L	.2	UJ												
URANIUM-235/236	.5 PCI/L	.3	J												
THORIUM-232	.2 PCI/L	.1	U												
RADIUM-228	3 PCI/L	1.1	U												
THORIUM-228	.2 PCI/L	.1	U												
GROSS ALPHA	14.5 PCI/L	2.5	NV												
GROSS BETA	12.8 PCI/L	1.9	NV												
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U

SAMPLE NUMBER:	GW930520-1			GW930520-1			GW930520-1			GW930520-1			GW930520-1		
LAB:	CORE			FERMCO			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		UJ
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068487	068487	GW930923-13	068432	068538
TASK:	3.11	3.11	DMEPP	3.11	3.11
LAB:	IT	IT	FERMCO	IT	IT
WELL OR BORING NUMBER:	2125	2125	2125	2125	2125
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-DEC-91	21-DEC-91	22-SEP-93	26-NOV-91	27-JAN-92
NORTH COORDINATE:	474354.95	474354.95	474354.95	474354.95	474354.95
EAST COORDINATE:	1379479.44	1379479.44	1379479.44	1379479.44	1379479.44
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U									
CHLORIDE				27.3 MG/L		-									
FLUORIDE				.22 MG/L		J									
NITRATE				2.03 MG/L		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.08 MG/L		U									
SULFATE				2 MG/L		U									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				1.42 MG/L		-									
TOTAL ORGANIC HALIDES				.0153 MG/L		-									
TOTAL ORGANIC NITROGEN				.433 MG/L		-									
INORGANICS															
ALUMINUM	.113 MG/L		-												
ANTIMONY	.03 MG/L		U												
ARSENIC	.002 MG/L		U												
BARIUM	.0291 MG/L		-												
BERYLLIUM	.002 MG/L		U												
CADMIUM	.0033 MG/L		-												
CALCIUM	94.5 MG/L		-												
CHROMIUM	.0314 MG/L		-												
COBALT	.01 MG/L		U												
COPPER	.0126 MG/L		-												
IRON	.0409 MG/L		U												
LEAD	.002 MG/L		U												
MAGNESIUM	20.1 MG/L		-												

SAMPLE NUMBER:	068487			068487			GW930923-13			068432			068538		
LAB:	IT			IT			FERMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE	.0046 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.01 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	2.1 MG/L		-												
SELENIUM	.002 MG/L		U												
SILICON	3.24 MG/L		-												
SILVER	.0254 MG/L		-												
SODIUM	12.1 MG/L		-												
VANADIUM	.015 MG/L		-												
RADIONUCLIDES															
URANIUM-238	13.5 PCI/L	2.7	-							19.5 PCI/L	2.9	-	14.8 PCI/L	2.3	-
URANIUM, TOTAL	36.5 UG/L	4.8	-				41 UG/L		NV	49.5 UG/L	6.5	-	46.6 UG/L	6.5	-
URANIUM-234	12.3 PCI/L	2.6	-							19.4 PCI/L	2.9	-	16.5 PCI/L	2.5	-
THORIUM-230	1.43 PCI/L	.88	-							1 PCI/L		UJ	1 PCI/L		UJ
RADIUM-226	1 PCI/L		UJ							1.58 PCI/L	.43	-			
URANIUM-235/236	1.09 PCI/L	.78	J							1.46 PCI/L	.61	-	1.33 PCI/L	.52	-
THORIUM-232	1 PCI/L		U							1 PCI/L		U	1 PCI/L		U
THORIUM, TOTAL	7.6 UG/L		U							3.2 UG/L		U	6.4 UG/L		U
RADIUM-228	3 PCI/L		R							3 PCI/L		U			
THORIUM-228	5.94 PCI/L	1.89	-							1 PCI/L		U	2.22 PCI/L	1.01	J
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1.1 PCI/L		U							1 PCI/L		U	1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U							1 PCI/L		U	1 PCI/L		U
STRONTIUM-90	5 PCI/L		U							5 PCI/L		U	5 PCI/L		U
TECHNETIUM-99	30 PCI/L		UJ							30 PCI/L		U	30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R							150 PCI/L		U	150 PCI/L		U
CESIUM-137	20 PCI/L		R							20 PCI/L		U	20 PCI/L		U
GROSS ALPHA	25.3 PCI/L	7.4	NV										4.4 PCI/L		UNV
GROSS BETA	10.3 PCI/L	2.9	NV										4 PCI/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068539	068177	EMGW_SYSGEN_754	EMGW_SYSGEN_754	068221
TASK:	3.11	3.11	GWMON	GWMON	3.11
LAB:	IT	IT	IT	NET	IT
WELL OR BORING NUMBER:	2125	2125	2125	2125	2125
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-JAN-92	28-JUL-91	28-NOV-90	28-NOV-90	29-AUG-91
NORTH COORDINATE:	474354.95	474354.95	474354.95	474354.95	474354.95
EAST COORDINATE:	1379479.44	1379479.44	1379479.44	1379479.44	1379479.44
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	068538				
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										345 MG/L		NV			
AMMONIA										.02 MG/L		UNV			
CHLORIDE										15 MG/L		NV			
FLUORIDE										.36 MG/L		NV			
NITRATE/NITRITE										.57 MG/L		NV			
PH										6.85 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										8.8 MG/L		NV			
SPECIFIC CONDUCTIVITY										635 UMHOS/CM		NV			
SULFATE										48 MG/L		NV			
TOTAL DISSOLVED SOLIDS										546 MG/L		NV			
TOTAL ORGANIC CARBON										4 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
CYANIDE										.005 MG/L		UNV			
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	16.5 PCI/L	2.4	-	15.1 PCI/L	1.8	NV	22.5 PCI/L		NV				15.7 PCI/L	2.2	R
URANIUM, TOTAL	44.5 UG/L	6.2	-	40.7 UG/L	5.6	NV	59.9 UG/L		NV				42.1 UG/L	5.7	-
URANIUM-234	13.3 PCI/L	2	-	13.5 PCI/L	1.7	NV	18.8 PCI/L		NV				12.3 PCI/L	1.8	R

SAMPLE NUMBER:	068539			068177			EMGW_SYSGEN_754			EMGW_SYSGEN_754			068221		
LAB:	IT			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
THORIUM-230	1.54 PCI/L	.73	J	1 PCI/L		NV	.52 PCI/L		UNV				1 PCI/L		U
RADIUM-226				1 PCI/L		UNV	1 PCI/L		UNV				1 PCI/L		UJ
URANIUM-235/236	1.24 PCI/L	.45	-	1.07 PCI/L	.28	NV	1.64 PCI/L		NV				1.05 PCI/L	.39	R
THORIUM-232	1 PCI/L		U	1 PCI/L		NV	.52 PCI/L		UNV				1 PCI/L		U
THORIUM, TOTAL	4.6 UG/L		U	2.8 UG/L		NV	4.7 UG/L		UNV				3.1 UG/L		U
RADIUM-228	3.1 PCI/L		U	3 PCI/L		UNV	3 PCI/L		UNV						
THORIUM-228	2.48 PCI/L	.91	J	1.77 PCI/L	.49	NV	1.12 PCI/L		NV				1.16 PCI/L	.41	J
NEPTUNIUM-237				1 PCI/L		NV							1 PCI/L		R
PLUTONIUM-239/240	1 PCI/L		U	1 PCI/L		NV							1 PCI/L		UJ
PLUTONIUM-238	1 PCI/L		U	1 PCI/L		NV							1 PCI/L		UJ
STRONTIUM-90	5 PCI/L		U	5 PCI/L		NV							5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U	30 PCI/L		NV							30 PCI/L		U
RUTHENIUM-106	150 PCI/L		U	150 PCI/L		UNV							150 PCI/L		R
CESIUM-137	20 PCI/L		U	20 PCI/L		NV							20 PCI/L		R
GROSS ALPHA	19 PCI/L	5.9	NV				43.3 PCI/L		NV						
GROSS BETA	12.5 PCI/L	2.7	NV				37.7 PCI/L		NV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			

SAMPLE NUMBER:	068539			068177			EMGW_SYSGEN_754			EMGW_SYSGEN_754			068221		
LAB:	IT			IT			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROETHANE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068222			004201			004201			EMGW_SYSGEN_761			EMGW_SYSGEN_761		
TASK:	3.11			3.2.4			3.2.4			GWMON			GWMON		
LAB:	WEMCO			IT			IT			IT			NET		
WELL OR BORING NUMBER:	2125			2125			2125			2126			2126		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	29-AUG-91			31-MAY-90			31-MAY-90			02-JUL-90			02-JUL-90		
NORTH COORDINATE:	474354.95			474354.95			474354.95			473049.47			473049.47		
EAST COORDINATE:	1379479.44			1379479.44			1379479.44			1378966.19			1378966.19		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U						
CHLORIDE							8.95 MG/L		-				8 MG/L		NV
FLUORIDE							.29 MG/L		-						
NITRATE							1.77 MG/L		R				.34 MG/L		NV
NITRATE, AS NITROGEN													.34 MG/L		NV
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.64 MG/L		-						
SULFATE							16.6 MG/L		-				66 MG/L		NV
SULFIDE							.5 MG/L		U						
TOTAL ORGANIC CARBON							3 MG/L		J				2 MG/L		NV
TOTAL ORGANIC HALIDES							.01 MG/L		R						
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN							.6 MG/L		-						
INORGANICS															
ALUMINUM				.06 MG/L		U									
ARSENIC				.002 MG/L		U									
BARIUM				.03 MG/L		-									
CADMIUM				.003 MG/L		-									
CALCIUM				87.4 MG/L		-									
CHROMIUM				.025 MG/L		-									
COPPER				.01 MG/L		U									
IRON				.057 MG/L		-									
LEAD				.005 MG/L		-									
MAGNESIUM				20.3 MG/L		-									
MANGANESE				.007 MG/L		-									

SAMPLE NUMBER:	068222			004201			004201			EMGW_SYSGEN_761			EMGW_SYSGEN_761		
LAB:	WEMCO			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MERCURY				.0004 MG/L		-									
MOLYBDENUM				.01 MG/L		U									
NICKEL				.02 MG/L		U									
POTASSIUM				2.02 MG/L		-									
SELENIUM				.002 MG/L		U									
SILICON				3.76 MG/L		-									
SILVER				.015 MG/L		-									
SODIUM				11.8 MG/L		-									
VANADIUM				.01 MG/L		U									
RADIONUCLIDES															
URANIUM-238							11.9 PCI/L	1.6	-	.356 PCI/L		NV			
URANIUM, TOTAL	40 UG/L		NV				27.4 UG/L	4.8	-	1.08 UG/L		NV			
URANIUM-234							11.2 PCI/L	1.5	-	.49 PCI/L		NV			
THORIUM-230							1 PCI/L		U	4.28 PCI/L		NV			
RADIUM-226							1.46 PCI/L	.29	R	1 PCI/L		UNV			
URANIUM-235/236							1 PCI/L		U	.3 PCI/L		UNV			
THORIUM-232							1 PCI/L		U	.2 PCI/L		UNV			
THORIUM, TOTAL							6.7 UG/L		U	1.5 UG/L		UNV			
RADIUM-228							3 PCI/L		U	3 PCI/L		UNV			
THORIUM-228							1.05 PCI/L	.63	-	.2 PCI/L		UNV			
NEPTUNIUM-237							1 PCI/L		U						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		UJ						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
GROSS ALPHA										24 PCI/L		UNV			
GROSS BETA										15 PCI/L		NV			
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV

SAMPLE NUMBER:	068222			004201			004201			EMGW_SYSGEN_761			EMGW_SYSGEN_761		
LAB:	WEMCO			IT			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_762	EMGW_SYSGEN_762	EMGW_SYSGEN_764	EMGW_SYSGEN_764	004184
TASK:	GWMON	GWMON	GWMON	GWMON	3.2.4
LAB:	IT	NET	IT	NET	IT
WELL OR BORING NUMBER:	2126	2126	2126	2126	2126
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-SEP-90	04-SEP-90	06-MAR-91	06-MAR-91	07-FEB-90
NORTH COORDINATE:	473049.47	473049.47	473049.47	473049.47	473049.47
EAST COORDINATE:	1378966.19	1378966.19	1378966.19	1378966.19	1378966.19
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				283 MG/L		NV				284 MG/L		NV			
AMMONIA										.07 MG/L		NV			
CHLORIDE				10 MG/L		NV				9 MG/L		NV			
FLUORIDE				.13 MG/L		NV				.1 MG/L		NV			
NITRATE, AS NITROGEN				.05 MG/L		NV				.22 MG/L		NV			
PH				7.13 SU		NV				7.22 SU		NV			
PHENOLS				.006 MG/L		NV				.005 MG/L		UNV			
PHOSPHORUS										21.6 MG/L		NV			
SPECIFIC CONDUCTIVITY				648 UMHOS/CM		NV				625 UMHOS/CM		NV			
SULFATE				68 MG/L		NV				70 MG/L		NV			
TOTAL DISSOLVED SOLIDS				455 MG/L		NV				418 MG/L		NV			
TOTAL ORGANIC CARBON				4 MG/L		NV				10 MG/L		NV			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV				.092 MG/L		NV			
INORGANICS															
ALUMINUM										.51 MG/L		NV	.142 MG/L		-
ANTIMONY										.025 MG/L		UNV			
ARSENIC										.008 MG/L		NV	.008 MG/L		J
BARIUM										.2 MG/L		UNV	.005 MG/L		-
BERYLLIUM										.01 MG/L		UNV			
CADMIUM										.001 MG/L		UNV	.003 MG/L		-
CALCIUM										103 MG/L		NV	110 MG/L		-
CHROMIUM										.01 MG/L		UNV	.031 MG/L		-
COBALT										.025 MG/L		UNV			
COPPER										.025 MG/L		UNV	.01 MG/L		U
CYANIDE										.005 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_762			EMGW_SYSGEN_762			EMGW_SYSGEN_764			EMGW_SYSGEN_764			004184		
LAB:	IT			NET			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON										.749 MG/L		NV	.113 MG/L		-
LEAD										.005 MG/L		UNV	.002 MG/L		U
MAGNESIUM										35 MG/L		NV	29.3 MG/L		-
MANGANESE										.092 MG/L		NV	.095 MG/L		-
MERCURY										.0002 MG/L		UNV	.0002 MG/L		U
MOLYBDENUM										.025 MG/L		UNV	.013 MG/L		-
NICKEL										.005 MG/L		UNV	.02 MG/L		U
POTASSIUM										4.23 MG/L		NV	6.41 MG/L		-
SELENIUM										.0025 MG/L		UNV	.002 MG/L		UJ
SILICON													5.35 MG/L		-
SILVER										.001 MG/L		UNV	.01 MG/L		U
SODIUM										5.89 MG/L		NV	14.5 MG/L		-
THALLIUM										.01 MG/L		UNV			
VANADIUM										.05 MG/L		UNV	.017 MG/L		-
ZINC										.02 MG/L		UNV			
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	.339 PCI/L		NV				1.04 PCI/L		NV						
URANIUM, TOTAL	1.04 UG/L		NV				.637 UG/L		NV						
URANIUM-234	.442 PCI/L		NV				1.78 PCI/L		NV						
THORIUM-230	.256 PCI/L		NV				.33 PCI/L		UNV						
RADIUM-226	1 PCI/L		UNV				1 PCI/L		UNV						
URANIUM-235/236	.2 PCI/L		UNV				.22 PCI/L		UNV						
THORIUM-232	.21 PCI/L		UNV				.33 PCI/L		UNV						
THORIUM, TOTAL	1.9 UG/L		UNV				3 UG/L		UNV						
RADIUM-228	3 PCI/L		UNV				3 PCI/L		UNV						
THORIUM-228	.479 PCI/L		NV				2.87 PCI/L		NV						
NEPTUNIUM-237							.5 PCI/L		UNV						
PLUTONIUM-239/240							.5 PCI/L		UNV						
PLUTONIUM-238							.5 PCI/L		UNV						
TECHNETIUM-99							15 PCI/L		UNV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							6.9 PCI/L		UNV						
GROSS ALPHA	5.9 PCI/L		UNV				6.2 PCI/L		UNV						
GROSS BETA	3.91 PCI/L		NV				5.24 PCI/L		NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER				60 UG/L		UNV						10 UG/L		UNV				
07/25/94																		
SAMPLE NUMBER:	EMGW_SYSGEN_762			EMGW_SYSGEN_762			EMGW_SYSGEN_764			EMGW_SYSGEN_764			004184		
LAB:	IT			NET			IT			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1,2-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,1-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV				1 UG/L		UNV			
1,2-DICHLOROPROPANE				1 UG/L		UNV				1 UG/L		UNV			
2-BUTANONE				2 UG/L		UNV				2 UG/L		UNV			
2-HEXANONE				2 UG/L		UNV				2 UG/L		UNV			
4-METHYL-2-PENTANONE				2 UG/L		UNV				2 UG/L		UNV			
ACETONE				2 UG/L		UNV				2 UG/L		UNV			
BENZENE				1 UG/L		UNV				1 UG/L		UNV			
BROMODICHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
BROMOFORM				1 UG/L		UNV				1 UG/L		UNV			
BROMOMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CARBON DISULFIDE				1 UG/L		UNV				1 UG/L		UNV			
CARBON TETRACHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROBENZENE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			
CHLOROFORM				1 UG/L		UNV				1 UG/L		UNV			
CHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
DIBROMOCHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV			
ETHYLBENZENE				1 UG/L		UNV				1 UG/L		UNV			
METHYLENE CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
STYRENE				1 UG/L		UNV				1 UG/L		UNV			
TETRACHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
TOLUENE				1 UG/L		UNV				1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV			
TRICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
VINYL ACETATE				2 UG/L		UNV				2 UG/L		UNV			
VINYL CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
XYLENES, TOTAL				1 UG/L		UNV				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004184	004184	EMGW_SYSGEN_765	068521	068415
TASK:	3.2.4	3.2.4	GWMON	3.11	3.11
LAB:	IT	IT/RSL	WMCO	IT/RSL	IT/RSL
WELL OR BORING NUMBER:	2126	2126	2126	2126	2126
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-FEB-90	07-FEB-90	12-AUG-91	13-JAN-92	13-NOV-91
NORTH COORDINATE:	473049.47	473049.47	473049.47	473049.47	473049.47
EAST COORDINATE:	1378966.19	1378966.19	1378966.19	1378966.19	1378966.19
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U												
CHLORIDE	3.91 MG/L		-												
FLUORIDE	.05 MG/L		U												
NITRATE	.1 MG/L		R												
PHENOLS	.024 MG/L		-												
PHOSPHORUS	38.6 MG/L		J												
SULFATE	67.4 MG/L		-												
SULFIDE	11.2 MG/L		J												
TOTAL KJELDAHL NITROGEN	.51 MG/L		-												
TOTAL ORGANIC CARBON	2.06 MG/L		-												
TOTAL ORGANIC HALIDES	.01 MG/L		UJ												
TOTAL ORGANIC NITROGEN	.51 MG/L		-												
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
URANIUM, TOTAL				1 UG/L		UJ	.3 UG/L		NV	1.82 UG/L	.19	-	1 UG/L		U
URANIUM-234				1 PCI/L		U				1 PCI/L		UJ	1 PCI/L		U
THORIUM-230				1 PCI/L		U				1.26 PCI/L	.77	J			
RADIUM-226				1 PCI/L		UJ				1 PCI/L		U	1 PCI/L		UJ
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL				4 UG/L		U				6.7 UG/L		U			
RADIUM-228				3 PCI/L		UJ				3 PCI/L		UJ	4.13 PCI/L	1.94	J
THORIUM-228				1 PCI/L		U				5.99 PCI/L	1.78	J			
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		U	1 PCI/L		UJ
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U	1 PCI/L		U

004570
004100
6417

SAMPLE NUMBER:	004184			004184			EMGW_SYSGEN_765			068521			068415		
LAB:	IT			IT/RSL			WMCO			IT/RSL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U	5 PCI/L		U
TECHNETIUM-99				30 PCI/L		UJ				30 PCI/L		UJ	30 PCI/L		UJ
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		UJ	150 PCI/L		R
CESIUM-137				20 PCI/L		R				20 PCI/L		UJ	20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068416	120072-1	120072-1	120072	120072
TASK:	3.11	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	WEMCO	NET	NET	CORE	CORE
WELL OR BORING NUMBER:	2126	2126	2126	2126	2126
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-NOV-91	14-JUN-93	14-JUN-93	14-JUN-93	14-JUN-93
NORTH COORDINATE:	473049.47	473049.47	473049.47	473049.47	473049.47
EAST COORDINATE:	1378966.19	1378966.19	1378966.19	1378966.19	1378966.19
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							292 MG/L		-						
AMMONIA							.02 MG/L		U						
BICARBONATE ALKALINITY							366 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE							8 MG/L		-						
FLUORIDE							.13 MG/L		-						
NITRATE/NITRITE							.02 MG/L		U						
PH							7.48 SU		-						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							20.9 MG/L		-						
SPECIFIC CONDUCTIVITY							618 UMHOS/CM		-						
SULFATE							58 MG/L		-						
TOTAL DISSOLVED SOLIDS				454 MG/L		-									
TOTAL KJELDAHL NITROGEN							.1 MG/L		U						
TOTAL ORGANIC CARBON							1 MG/L		U						
TOTAL ORGANIC HALIDES							.01 MG/L		U						
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
TOTAL SOLIDS							471 MG/L		-						
INORGANICS															
ALUMINUM				.02 MG/L		U	.0998 MG/L		-						
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.004 MG/L		UJ	.0054 MG/L		-						
BARIUM				.003 MG/L		U	.003 MG/L		U						
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						
CADMIUM				.0036 MG/L		-	.0032 MG/L		-						

SAMPLE NUMBER:	068416			120072-1			120072-1			120072			120072		
LAB:	WEMCO			NET			NET			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				87.1 MG/L		-	106 MG/L		-						
CHROMIUM				.005 MG/L		U	.005 MG/L		U						
COBALT				.008 MG/L		U	.008 MG/L		U						
COPPER				.003 MG/L		U	.0058 MG/L		U						
CYANIDE				.01 MG/L		UJ	.01 MG/L		U						
IRON				.0226 MG/L		U	.197 MG/L		-						
LEAD				.002 MG/L		UJ	.002 MG/L		U						
MAGNESIUM				22.1 MG/L		-	27.7 MG/L		-						
MANGANESE				.0566 MG/L		-	.0752 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.02 MG/L		U	.02 MG/L		U						
POTASSIUM				2.89 MG/L		U	2.95 MG/L		U						
SELENIUM				.001 MG/L		U	.001 MG/L		U						
SILVER				.007 MG/L		UJ	.007 MG/L		UJ						
SODIUM				2.97 MG/L		-	3.76 MG/L		-						
THALLIUM				.002 MG/L		U	.002 MG/L		U						
VANADIUM				.003 MG/L		U	.003 MG/L		U						
ZINC				.0184 MG/L		U	.0192 MG/L		U						
RADIONUCLIDES															
URANIUM-238										.3 PCI/L	.2	UJ	.2 PCI/L	.1	U
URANIUM, TOTAL	.4 UG/L		NV							.4 UG/L	.1	-	.3 UG/L	.1	-
URANIUM-234										.9 PCI/L	.4	J	.2 PCI/L	.2	U
THORIUM-230										.2 PCI/L	.2	UJ	.3 PCI/L	.2	UJ
RADIUM-226										1 PCI/L	.4	UJ	1 PCI/L	.1	UJ
URANIUM-235/236										.2 PCI/L	.3	UJ	.2 PCI/L	.3	U
THORIUM-232										.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ
THORIUM, TOTAL													.912 PCI/L	.2	NV
RADIUM-228										3 PCI/L	.9	UJ	3 PCI/L	1.3	U
THORIUM-228										.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ
TECHNETIUM-99										15 PCI/L	8.3	U	15 PCI/L	8	U
GROSS ALPHA										2.9 PCI/L	1.6	UNV	1.6 PCI/L	1.1	NV
GROSS BETA										3.2 PCI/L	1.9	UNV	3.8 PCI/L	1.6	NV
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						

SAMPLE NUMBER:	068416			120072-1			120072-1			120072			120072		
LAB:	WEMCO			NET			NET			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		U						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120072	120074	120074	120074	120074
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	FERMCO	CORE	CORE	FERMCO	NET
WELL OR BORING NUMBER:	2126	2126	2126	2126	2126
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-JUN-93	14-JUN-93	14-JUN-93	14-JUN-93	14-JUN-93
NORTH COORDINATE:	473049.47	473049.47	473049.47	473049.47	473049.47
EAST COORDINATE:	1378966.19	1378966.19	1378966.19	1378966.19	1378966.19
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE
QC OF:		120072	120072	120072	120072
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
TOTAL DISSOLVED SOLIDS													461 MG/L		-
INORGANICS															
ALUMINUM													.02 MG/L		U
ANTIMONY													.045 MG/L		U
ARSENIC													.0042 MG/L		UJ
BARIUM													.003 MG/L		U
BERYLLIUM													.001 MG/L		U
CADMIUM													.0074 MG/L		J
CALCIUM													98.1 MG/L		-
CHROMIUM													.005 MG/L		U
COBALT													.008 MG/L		U
COPPER													.0041 MG/L		U
CYANIDE													.01 MG/L		UJ
IRON													.0248 MG/L		U
LEAD													.0022 MG/L		UJ
MAGNESIUM													24.8 MG/L		-
MANGANESE													.0652 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL													.02 MG/L		U
POTASSIUM													3.53 MG/L		U
SELENIUM													.001 MG/L		U
SILVER													.007 MG/L		UJ
SODIUM													3.42 MG/L		-
THALLIUM													.002 MG/L		U
VANADIUM													.003 MG/L		U

SAMPLE NUMBER:	120072			120074			120074			120074			120074		
LAB:	FERMCO			CORE			CORE			FERMCO			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ZINC													.0098 MG/L		U
RADIONUCLIDES															
URANIUM-238				.2 PCI/L	1	UJ	.2 PCI/L	.2	U						
URANIUM, TOTAL	.4 UG/L		NV	.2 UG/L	.1	-	.3 UG/L	.1	-	.3 UG/L		NV			
URANIUM-234				.2 PCI/L	.6	UJ	.2 PCI/L	.1	U						
THORIUM-230				.2 PCI/L	.2	UJ	.3 PCI/L	.2	UJ						
RADIUM-226				1 PCI/L	.4	UJ	1 PCI/L	.2	UJ						
URANIUM-235/236				.2 PCI/L	.1	UJ	.2 PCI/L	.3	U						
THORIUM-232				.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ						
RADIUM-228				3 PCI/L	.8	UJ	3 PCI/L	1.7	U						
THORIUM-228				.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ						
TECHNETIUM-99				15 PCI/L	8.2	U	15 PCI/L	8.3	U						
GROSS ALPHA				2.4 PCI/L	1.3	UNV	.9 PCI/L	.9	NV						
GROSS BETA				2.8 PCI/L	1.7	UNV	4.8 PCI/L	1.3	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120074	PRS212601-R1	068460	068460	068460
TASK:	50.03.23	RCRACLOS	3.11	3.11	3.11
LAB:	NET	ENSR	IT	IT-KNOX	IT-KNOX
WELL OR BORING NUMBER:	2126	2126	2126	2126	2126
DEPTH:	-	0-0	-	-	-
DATE COLLECTED:	14-JUN-93	14-MAY-90	15-DEC-91	15-DEC-91	15-DEC-91
NORTH COORDINATE:	473049.47	472154	473049.47	473049.47	473049.47
EAST COORDINATE:	1378966.19	1379000	1378966.19	1378966.19	1378966.19
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	120072				
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	286 MG/L		-												
AMMONIA	.02 MG/L		U	.1 MG/L		UNV							.1 MG/L		U
BICARBONATE ALKALINITY	372 MG/L		-												
CARBONATE ALKALINITY	3 MG/L		U												
CHEMICAL OXYGEN DEMAND				5 MG/L		UNV									
CHLORIDE	8 MG/L		-	11 MG/L		NV							7.04 MG/L		-
FLUORIDE	.11 MG/L		-										.1 MG/L		U
NITRATE													.1 MG/L		U
NITRITE, AS NITROGEN	.02 MG/L		U												
PH	7.1 SU		-	1 UG/L		UNV							.01 MG/L		U
PHENOLS	.01 MG/L		U										.01 MG/L		U
PHOSPHORUS	21.5 MG/L		-										19.1 MG/L		-
SPECIFIC CONDUCTIVITY	634 UMHOS/CM		-												
SULFATE	58 MG/L		-	74 MG/L		NV							2 MG/L		U
SULFIDE													.5 MG/L		U
TOTAL DISSOLVED SOLIDS				510 MG/L		NV									
TOTAL KJELDAHL NITROGEN	.1 MG/L		-												
TOTAL ORGANIC CARBON	1 MG/L		U										1 MG/L		U
TOTAL ORGANIC HALIDES	.01 MG/L		U										.01 MG/L		UJ
TOTAL ORGANIC NITROGEN	.1 MG/L		-										.1 MG/L		U
TOTAL SOLIDS	496 MG/L		-												
INORGANICS															
ALUMINUM	.0477 MG/L		-	.033 MG/L		NV				.107 MG/L		-			
ANTIMONY	.045 MG/L		U	.039 MG/L		UNV									
ARSENIC	.0056 MG/L		-	.03 MG/L		UNV				.0039 MG/L		-			

SAMPLE NUMBER:	120074			PRS212601-R1			068460			068460			068460		
LAB:	NET			ENSR			IT			IT-KNOX			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BARIUM	.003 MG/L		U	.002 MG/L		UNV				.0036 MG/L		-			
BERYLLIUM	.001 MG/L		U	.001 MG/L		UNV									
CADMIUM	.003 MG/L		UJ	.005 MG/L		UNV				.0034 MG/L		-			
CALCIUM	102 MG/L		-	96.3 MG/L		NV				106 MG/L		-			
CHROMIUM	.005 MG/L		U	.007 MG/L		UNV				.0259 MG/L		-			
COBALT	.008 MG/L		U	.007 MG/L		UNV									
COPPER	.0067 MG/L		U	.005 MG/L		UNV				.01 MG/L		U			
CYANIDE	.01 MG/L		U	.01 MG/L		UNV									
IRON	.0957 MG/L		-	.032 MG/L		NV				.0375 MG/L		J			
LEAD	.002 MG/L		U	.002 MG/L		UNV				.002 MG/L		UJ			
MAGNESIUM	25.7 MG/L		-	22.8 MG/L		NV				25.1 MG/L		-			
MANGANESE	.0695 MG/L		-	.068 MG/L		NV				.0628 MG/L		-			
MERCURY	.0002 MG/L		U	.0002 MG/L		UNV				.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			
NICKEL	.02 MG/L		U	.034 MG/L		UNV				.02 MG/L		U			
POTASSIUM	3.16 MG/L		U	4.11 MG/L		NV				2.62 MG/L		-			
SELENIUM	.001 MG/L		U	.04 MG/L		UNV				.002 MG/L		-			
SILICON										4.77 MG/L		-			
SILVER	.007 MG/L		UJ	.234 MG/L		NV				.0231 MG/L		-			
SODIUM	3.73 MG/L		-	5.41 MG/L		NV				3.46 MG/L		-			
THALLIUM	.002 MG/L		U	.003 MG/L		UNV									
VANADIUM	.003 MG/L		U	.005 MG/L		UNV				.0124 MG/L		-			
ZINC	.021 MG/L		U	.039 MG/L		NV									
MISC															
ACROLEIN				25 UG/L		UNV									
ACROLEIN				25 UG/L		UNV									
ACROLEIN				25 UG/L		UNV									
ACROLEIN				25 UG/L		UNV									
ACRYLONITRILE				25 UG/L		UNV									
PESTICIDES															
4,4'-DDD				.01 UG/L		UNV									
4,4'-DDE				.01 UG/L		UNV									
4,4'-DDT				.01 UG/L		UNV									
ALDRIN				.005 UG/L		UNV									
ALPHA-BHC				.005 UG/L		UNV									
ALPHA-CHLORDANE				.05 UG/L		UNV									
AROCLOR-1016				.05 UG/L		UNV									
AROCLOR-1221				.05 UG/L		UNV									

SAMPLE NUMBER:	120074			PRS212601-R1			068460			068460			068460		
LAB:	NET			ENSR			IT			IT-KNOX			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
AROCLOR-1232				.05 UG/L		UNV									
AROCLOR-1242				.05 UG/L		UNV									
AROCLOR-1248				.05 UG/L		UNV									
AROCLOR-1254				.1 UG/L		UNV									
AROCLOR-1260				.1 UG/L		UNV									
BETA-BHC				.005 UG/L		UNV									
DELTA-BHC				.005 UG/L		UNV									
DIELDRIN				.01 UG/L		UNV									
ENDOSULFAN SULFATE				.01 UG/L		UNV									
ENDOSULFAN-I				.005 UG/L		UNV									
ENDRIN				.01 UG/L		UNV									
ENDRIN KETONE				.01 UG/L		UNV									
GAMMA-BHC (LINDANE)				.005 UG/L		UNV									
GAMMA-CHLORDANE				.05 UG/L		UNV									
HEPTACHLOR				.005 UG/L		UNV									
HEPTACHLOR EPOXIDE				.005 UG/L		UNV									
TOXAPHENE				.1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U						
URANIUM, TOTAL							1 UG/L		U						
URANIUM-234							1.04 PCI/L	.54	-						
THORIUM-230							1 PCI/L		U						
RADIUM-226							1.18 PCI/L	.35	J						
URANIUM-235/236							1 PCI/L		U						
THORIUM-232							1 PCI/L		U						
THORIUM, TOTAL							3.4 UG/L		U						
RADIUM-228							3 PCI/L		U						
THORIUM-228							1 PCI/L		U						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		U						
CESIUM-137							20 PCI/L		U						
GROSS ALPHA							5.5 PCI/L		UNV						
GROSS BETA							4 PCI/L		UNV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				2 UG/L		UNV									

SAMPLE NUMBER:	120074			PRS212601-R1			068460			068460			068460		
LAB:	NET			ENSR			IT			IT-KNOX			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2-DICHLOROBENZENE				3 UG/L		UNV									
1,3-DICHLOROBENZENE				2 UG/L		UNV									
1,4-DICHLOROBENZENE				2 UG/L		UNV									
2,4,5-TRICHLOROPHENOL				2 UG/L		UNV									
2,4,6-TRICHLOROPHENOL				2 UG/L		UNV									
2,4-DICHLOROPHENOL				2 UG/L		UNV									
2,4-DIMETHYLPHENOL				2 UG/L		UNV									
2,4-DINITROPHENOL				15 UG/L		UNV									
2,4-DINITROTOLUENE				1 UG/L		UNV									
2,6-DINITROTOLUENE				1 UG/L		UNV									
2-CHLORONAPHTHALENE				2 UG/L		UNV									
2-CHLOROPHENOL				2 UG/L		UNV									
2-METHYLNAPHTHALENE				2 UG/L		UNV									
2-METHYLPHENOL				1 UG/L		UNV									
2-NITROANILINE				1 UG/L		UNV									
2-NITROPHENOL				2 UG/L		UNV									
3-NITROANILINE				3 UG/L		UNV									
4,6-DINITRO-2-METHYLPHENOL				15 UG/L		UNV									
4-BROMOPHENYL PHENYL ETHER				2 UG/L		UNV									
4-CHLORO-3-METHYLPHENOL				2 UG/L		UNV									
4-CHLOROPHENYLPHENYL ETHER				1 UG/L		UNV									
4-METHYLPHENOL				1 UG/L		UNV									
4-NITROANILINE				3 UG/L		UNV									
4-NITROPHENOL				2 UG/L		UNV									
ACENAPHTHENE				2 UG/L		UNV									
ACENAPHTHYLENE				2 UG/L		UNV									
ANTHRACENE				3 UG/L		UNV									
BENZO(A)ANTHRACENE				2 UG/L		UNV									
BENZO(A)PYRENE				2 UG/L		UNV									
BENZO(B)FLUORANTHENE				2 UG/L		UNV									
BENZO(G,H,I)PERYLENE				4 UG/L		UNV									
BENZO(K)FLUORANTHENE				2 UG/L		UNV									
BENZOIC ACID				20 UG/L		UNV									
BENZYL ALCOHOL				2 UG/L		UNV									
BIS(2-CHLOROETHOXY)METHANE				3 UG/L		UNV									
BIS(2-CHLOROETHYL)ETHER				2 UG/L		UNV									
BIS(2-CHLOROISOPROPYL) ETHER				3 UG/L		UNV									
BIS(2-ETHYLHEXYL)PHTHALATE				4 UG/L		UNV									
BUTYL BENZYL PHTHALATE				4 UG/L		UNV									
CHRYSENE				2 UG/L		UNV									
DI-N-BUTYL PHTHALATE				2 UG/L		UNV									

SAMPLE NUMBER:	120074			PRS212601-R1			068460			068460			068460		
LAB:	NET			ENSR			IT			IT-KNOX			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DI-N-OCTYL PHTHALATE				2 UG/L		UNV									
DIBENZO(A,H)ANTHRACENE				3 UG/L		UNV									
DIBENZOFURAN				1 UG/L		UNV									
DIETHYL PHTHALATE				1 UG/L		UNV									
DIMETHYL PHTHALATE				2 UG/L		UNV									
FLUORANTHENE				2 UG/L		UNV									
FLUORENE				1 UG/L		UNV									
HEXACHLOROBENZENE				2 UG/L		UNV									
HEXACHLOROBUTADIENE				3 UG/L		UNV									
HEXACHLOROCYCLOPENTADIENE				2 UG/L		UNV									
HEXACHLOROETHANE				2 UG/L		UNV									
INDENO(1,2,3-CD)PYRENE				4 UG/L		UNV									
ISOPHORONE				3 UG/L		UNV									
N-NITROSO-DI-N-PROPYLAMINE				2 UG/L		UNV									
N-NITROSODIPHENYLAMINE				2 UG/L		UNV									
NAPHTHALENE				2 UG/L		UNV									
NITROBENZENE				3 UG/L		UNV									
P-CHLOROANILINE				2 UG/L		UNV									
PENTACHLOROPHENOL				2 UG/L		UNV									
PHENANTHRENE				1 UG/L		UNV									
PHENOL	.01 MG/L		U	2 UG/L		UNV							.01 MG/L		U
PYRENE				2 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U	2 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U	2 UG/L		UNV									
1,1,2-TRICHLOROETHANE	10 UG/L		U	2 UG/L		UNV									
1,1-DICHLOROETHANE	10 UG/L		U	2 UG/L		UNV									
1,1-DICHLOROETHENE	10 UG/L		U	2 UG/L		UNV									
1,2-DICHLOROETHANE	10 UG/L		U	2 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U	2 UG/L		UNV									
1,2-DICHLOROPROPANE	10 UG/L		U	2 UG/L		UNV									
2-BUTANONE	10 UG/L		U	5 UG/L		UNV									
2-HEXANONE	10 UG/L		U	5 UG/L		UNV									
4-METHYL-2-PENTANONE	10 UG/L		U	2 UG/L		UNV									
ACETONE	10 UG/L		U	5 UG/L		UNV									
BENZENE	10 UG/L		U	2 UG/L		UNV									
BROMODICHLOROMETHANE	10 UG/L		U	2 UG/L		UNV									
BROMOFORM	10 UG/L		U	2 UG/L		UNV									
BROMOMETHANE	10 UG/L		U	2 UG/L		UNV									
CARBON DISULFIDE	10 UG/L		U	3 UG/L		UNV									

SAMPLE NUMBER:	120074			PRS212601-R1			068460			068460			068460		
LAB:	NET			ENSR			IT			IT-KNOX			IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE	10 UG/L		U	2 UG/L		UNV									
CHLOROBENZENE	10 UG/L		U	2 UG/L		UNV									
CHLOROETHANE	10 UG/L		U	2 UG/L		UNV									
CHLOROFORM	10 UG/L		U	2 UG/L		UNV									
CHLOROMETHANE	10 UG/L		UJ	2 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE	10 UG/L		U	2 UG/L		UNV									
DIBROMOCHLOROMETHANE	10 UG/L		U	2 UG/L		UNV									
ETHYLBENZENE	10 UG/L		U	2 UG/L		UNV									
METHYLENE CHLORIDE	10 UG/L		U	5 UG/L		UNV									
STYRENE	10 UG/L		U	1 UG/L		UNV									
TETRACHLOROETHENE	10 UG/L		U	2 UG/L		UNV									
TOLUENE	10 UG/L		U	2 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U	1 UG/L		UNV									
TRICHLOROETHENE	10 UG/L		U	2 UG/L		UNV									
VINYL ACETATE				5 UG/L		UNV									
VINYL CHLORIDE	10 UG/L		U	2 UG/L		UNV									
XYLENES, TOTAL	10 UG/L		U	2 UG/L		UNV									

001302

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004195	004195	004195	067963	067963
TASK:	3.2.4	3.2.4	3.2.4	3.11	3.11
LAB:	IT	IT	IT/RSL	IT	IT
WELL OR BORING NUMBER:	2126	2126	2126	2126	2126
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-MAY-90	15-MAY-90	15-MAY-90	18-MAR-91	18-MAR-91
NORTH COORDINATE:	473049.47	473049.47	473049.47	473049.47	473049.47
EAST COORDINATE:	1378966.19	1378966.19	1378966.19	1378966.19	1378966.19
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U							.1 MG/L		U
CHLORIDE				5 MG/L		-							9.85 MG/L		-
FLUORIDE				.105 MG/L		-							.1 MG/L		U
NITRATE				.2 MG/L		J							.17 MG/L		J
PHENOLS				.011 MG/L		-							.01 MG/L		-
PHOSPHORUS				18.1 MG/L		J							16.61 MG/L		-
SULFATE				69.8 MG/L		J							62.32 MG/L		-
SULFIDE				.5 MG/L		UJ							.5 MG/L		U
TOTAL ORGANIC CARBON				42 MG/L		J							1.94 MG/L		-
TOTAL ORGANIC HALIDES				.01 MG/L		UJ							.01 MG/L		UJ
TOTAL ORGANIC NITROGEN				.28 MG/L		J							.16 MG/L		J
INORGANICS															
ALUMINUM	.104 MG/L		-							.063 MG/L		-			
ARSENIC	.004 MG/L		-							.003 MG/L		-			
BARIUM	.003 MG/L		-							.004 MG/L		-			
CADMIUM	.005 MG/L		-							.004 MG/L		-			
CALCIUM	116 MG/L		U							106.9 MG/L		-			
CHROMIUM	.029 MG/L		-							.02 MG/L		-			
COPPER	.014 MG/L		-							.01 MG/L		U			
IRON	.022 MG/L		-							.019 MG/L		-			
LEAD	.002 MG/L		UJ							.002 MG/L		U			
MAGNESIUM	28.5 MG/L		-							24.96 MG/L		-			
MANGANESE	.083 MG/L		-							.066 MG/L		-			
MERCURY	.0002 MG/L		UJ										.0002 MG/L		U
MOLYBDENUM	.012 MG/L		-							.01 MG/L		U			

SAMPLE NUMBER:	004195			004195			004195			067963			067963		
LAB:	IT			IT			IT/RSL			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.03 MG/L		-							.02 MG/L		U			
POTASSIUM	3.22 MG/L		-							3.4 MG/L		-			
SELENIUM	.002 MG/L		UJ							.002 MG/L		UJ			
SILICON	5 MG/L		-							4.836 MG/L		-			
SILVER	.025 MG/L		-							.022 MG/L		-			
SODIUM	6.44 MG/L		-							3.954 MG/L		-			
VANADIUM	.022 MG/L		-							.01 MG/L		U			
RADIONUCLIDES															
URANIUM-238							1.13 PCI/L	.36	-	2.57 PCI/L	.46	J			
URANIUM, TOTAL							1 UG/L		U	.28 UG/L	.036	-			
URANIUM-234							1.95 PCI/L	.48	-	2.16 PCI/L	.41	J			
THORIUM-230							1.37 PCI/L	.37	-	.7 PCI/L		U			
RADIUM-226							1 PCI/L		UNV	1 PCI/L		U			
URANIUM-235/236							1 PCI/L		U	1 PCI/L		UJ			
THORIUM-232							1 PCI/L		U	.7 PCI/L		U			
THORIUM, TOTAL							2.1 UG/L		U	6 UG/L		U			
RADIUM-228							3 PCI/L		UJ	3.25 PCI/L	.64	J			
THORIUM-228							1 PCI/L		U	.7 PCI/L		U			
NEPTUNIUM-237							1 PCI/L		U	1 PCI/L		U			
PLUTONIUM-239/240							1 PCI/L		U	1 PCI/L		U			
PLUTONIUM-238							1 PCI/L		U	1 PCI/L		U			
STRONTIUM-90							5 PCI/L		U	5 PCI/L		UJ			
TECHNETIUM-99							30 PCI/L		U	30 PCI/L		R			
RUTHENIUM-106							150 PCI/L		UJ	150 PCI/L		R			
CESIUM-137							20 PCI/L		UJ	20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068097	068097	068098	068029	068030
TASK:	3.11	3.11	3.11	3.11	3.11
LAB:	IT	IT	WEMCO	IT	WEMCO
WELL OR BORING NUMBER:	2126	2126	2126	2126	2126
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-JUN-91	19-JUN-91	19-JUN-91	19-MAY-91	19-MAY-91
NORTH COORDINATE:	473049.47	473049.47	473049.47	473049.47	473049.47
EAST COORDINATE:	1378966.19	1378966.19	1378966.19	1378966.19	1378966.19
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U									
CHLORIDE				7.98 MG/L		-									
FLUORIDE				.35 MG/L		-									
NITRATE				316 MG/L		R									
PHENOLS				.01 MG/L		UJ									
PHOSPHORUS				4.05 MG/L		-									
SULFATE				41.6 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				1.86 MG/L		U									
TOTAL ORGANIC HALIDES				.01 MG/L		UJ									
TOTAL ORGANIC NITROGEN				.105 MG/L		-									
INORGANICS															
ALUMINUM	.087 MG/L		-												
ARSENIC	.003 MG/L		-												
BARIUM	.003 MG/L		R												
CADMIUM	.003 MG/L		-												
CALCIUM	104 MG/L		-												
CHROMIUM	.027 MG/L		-												
COPPER	.01 MG/L		U												
IRON	.023 MG/L		U												
LEAD	.002 MG/L		U												
MAGNESIUM	23.6 MG/L		-												
MANGANESE	.06 MG/L		-												
MERCURY				.0002 MG/L		U									
MOLYBDENUM	.01 MG/L		U												

SAMPLE NUMBER:	068097			068097			068098			068029			068030		
LAB:	IT			IT			WEMCO			IT			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.02 MG/L		U												
POTASSIUM	2.75 MG/L		-												
SELENIUM	.002 MG/L		U												
SILICON	4.53 MG/L		-												
SILVER	.024 MG/L		-												
SODIUM	3.4 MG/L		-												
VANADIUM	.013 MG/L		-												
RADIONUCLIDES															
URANIUM-238	1 PCI/L		R							1 PCI/L		U			
URANIUM, TOTAL	1 UG/L		U				.6 UG/L		NV	1 UG/L		U	.5 UG/L		NV
URANIUM-234	1 PCI/L		R							1 PCI/L		U			
THORIUM-230	1 PCI/L		U							1 PCI/L		U			
RADIUM-226	1 PCI/L		U							1 PCI/L		U			
URANIUM-235/236	1 PCI/L		R							1 PCI/L		U			
THORIUM-232	1 PCI/L		U							1 PCI/L		U			
THORIUM, TOTAL	1.6 UG/L		U							2 UG/L		U			
RADIUM-228	3 PCI/L		U							3 PCI/L		U			
THORIUM-228	1 PCI/L		U							1 PCI/L		U			
NEPTUNIUM-237	1 PCI/L		U							1 PCI/L		U			
PLUTONIUM-239/240	1 PCI/L		R							1 PCI/L		R			
PLUTONIUM-238	1 PCI/L		R							1 PCI/L		R			
STRONTIUM-90	5 PCI/L		UJ							5 PCI/L		U			
TECHNETIUM-99	100 PCI/L	21	J							30 PCI/L		U			
RUTHENIUM-106	150 PCI/L		UJ							150 PCI/L		UJ			
CESIUM-137	20 PCI/L		UJ							20 PCI/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068335	068336	068337	068579	068580
TASK:	3.11	3.11	3.11	3.11	3.11
LAB:	IT	WEMCO	IT	IT/RSL	IT/RSL
WELL OR BORING NUMBER:	2126	2126	2126	2126	2126
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-OCT-91	23-OCT-91	23-OCT-91	24-FEB-92	24-FEB-92
NORTH COORDINATE:	473049.47	473049.47	473049.47	473049.47	473049.47
EAST COORDINATE:	1378966.19	1378966.19	1378966.19	1378966.19	1378966.19
QA TYPE:	NORMAL	NORMAL	DUPLICATE	NORMAL	DUPLICATE
QC OF:			068335	068580	068579
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-FIL	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1 PCI/L		U	1 PCI/L		U	1 PCI/L		U
URANIUM, TOTAL	1 UG/L		U	.4 UG/L		NV	2.13 UG/L	.23	-	1 UG/L		U	1 UG/L		U
URANIUM-234	1.2 PCI/L	.35	-				1 PCI/L		U	1 PCI/L		U	1 PCI/L		U
THORIUM-230	1.2 PCI/L		U				1.2 PCI/L		U	1 PCI/L		U	1 PCI/L		U
RADIUM-226	1 PCI/L		UJ				1 PCI/L		UJ	1 PCI/L		U	1 PCI/L		U
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U	1 PCI/L		U	1 PCI/L		U
THORIUM-232	1.2 PCI/L		U				1.2 PCI/L		U	1 PCI/L		U	1 PCI/L		U
THORIUM, TOTAL	11 UG/L		U				11 UG/L		U	1.8 UG/L		U	7.1 UG/L		U
RADIUM-228	3 PCI/L		U				3 PCI/L		U	3 PCI/L		U	3 PCI/L		U
THORIUM-228	1.2 PCI/L		U				1.2 PCI/L		U	1 PCI/L		U	1.24 PCI/L	.8	J
NEPTUNIUM-237										1 PCI/L		UJ	1 PCI/L		UJ
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U	1 PCI/L		U	1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U	1 PCI/L		U	1 PCI/L		U
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U	5 PCI/L		U	5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		U	30 PCI/L		UJ	30 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		U	150 PCI/L		UJ	150 PCI/L		UJ
CESIUM-137	20 PCI/L		R				20 PCI/L		U	20 PCI/L		UJ	20 PCI/L		UJ
GROSS ALPHA										3 PCI/L		UNV	3.4 PCI/L		UNV
GROSS BETA										4 PCI/L		UNV	4 PCI/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068262	068262	068262	068263	EMGW_SYSGEN_763
TASK:	3.11	3.11	3.11	3.11	GWMON
LAB:	IT	IT-KNOX	IT	WEMCO	IT
WELL OR BORING NUMBER:	2126	2126	2126	2126	2126
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-SEP-91	25-SEP-91	25-SEP-91	25-SEP-91	26-NOV-90
NORTH COORDINATE:	473049.47	473049.47	473049.47	473049.47	473049.47
EAST COORDINATE:	1378966.19	1378966.19	1378966.19	1378966.19	1378966.19
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U						
CHLORIDE							5 MG/L		-						
FLUORIDE							.1 MG/L		U						
NITRATE							.48 MG/L		J						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							19 MG/L		-						
SULFATE							51 MG/L		-						
SULFIDE							150 MG/L		-						
TOTAL ORGANIC CARBON							1 MG/L		U						
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC NITROGEN							.1 MG/L		-						
INORGANICS															
ALUMINUM	.04 MG/L		U												
ANTIMONY	.03 MG/L		U												
ARSENIC	.0045 MG/L		J												
BARIUM	.002 MG/L		U												
BERYLLIUM	.001 MG/L		U												
CADMIUM	.005 MG/L		U												
CALCIUM	64.8 MG/L		-												
CHROMIUM	.01 MG/L		U												
COBALT	.02 MG/L		U												
COPPER	.01 MG/L		U												
IRON	.01 MG/L		U												
LEAD	.002 MG/L		U												
MAGNESIUM	15.8 MG/L		-												

SAMPLE NUMBER:	068262			068262			068262			068263			EMGW_SYSGEN_763		
LAB:	IT			IT-KNOX			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE	.0307 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.01 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	2.75 MG/L		-												
SELENIUM	.002 MG/L		UJ												
SILICON	.02 MG/L		U												
SILVER	.0065 MG/L		-												
SODIUM	2.57 MG/L		-												
THALLIUM	.002 MG/L		U												
VANADIUM	.01 MG/L		U												
ZINC	.005 MG/L		U												
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U										.545 PCI/L		NV
URANIUM, TOTAL	1 UG/L		U							.5 UG/L		NV	.891 UG/L		NV
URANIUM-234	1 PCI/L		U										.376 PCI/L		NV
THORIUM-230													.72 PCI/L		UNV
RADIUM-226	1 PCI/L		U										1 PCI/L		UNV
URANIUM-235/236	1 PCI/L		U										.25 PCI/L		UNV
THORIUM-232													.72 PCI/L		UNV
THORIUM, TOTAL													6.5 UG/L		UNV
RADIUM-228	3 PCI/L		R										3 PCI/L		UNV
THORIUM-228													1.02 PCI/L		NV
NEPTUNIUM-237	1 PCI/L		R												
PLUTONIUM-239/240	1 PCI/L		U												
PLUTONIUM-238	1 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U												
RUTHENIUM-106	150 PCI/L		U												
CESIUM-137	20 PCI/L		U												
GROSS ALPHA													7.9 PCI/L		UNV
GROSS BETA													7.45 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_763	068184	068185	PRS212602-R2	EMGW_SYSGEN_776
TASK:	GWMON	3.11	3.11	RCRACLOS	GWMON
LAB:	NET	IT	WMCO	ENSR	IT
WELL OR BORING NUMBER:	2126	2126	2126	2126	2127
DEPTH:	-	-	-	0-0	-
DATE COLLECTED:	26-NOV-90	29-JUL-91	29-JUL-91	31-JUL-90	01-AUG-90
NORTH COORDINATE:	473049.47	473049.47	473049.47	472154	470038.58
EAST COORDINATE:	1378966.19	1378966.19	1378966.19	1379000	1380153.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	275 MG/L		NV												
AMMONIA	.12 MG/L		NV							.1 MG/L		UNV			
CHEMICAL OXYGEN DEMAND										5 MG/L		UNV			
CHLORIDE	10 MG/L		NV							9 MG/L		NV			
FLUORIDE	.18 MG/L		NV												
NITRATE/NITRITE	.02 MG/L		UNV												
PH	7.13 SU		NV							1 UG/L		UNV			
PHENOLS	.015 MG/L		NV												
PHOSPHORUS	20.3 MG/L		NV												
SPECIFIC CONDUCTIVITY	486 UMHOS/CM		NV												
SULFATE	46 MG/L		NV							78 MG/L		NV			
TOTAL DISSOLVED SOLIDS	482 MG/L		NV							420 MG/L		NV			
TOTAL ORGANIC CARBON	5 MG/L		NV												
TOTAL ORGANIC HALOGENS	.056 MG/L		NV												
INORGANICS															
ALUMINUM										.077 MG/L		NV			
ANTIMONY										.035 MG/L		UNV			
ARSENIC										.01 MG/L		UNV			
BARIUM										.001 MG/L		UNV			
BERYLLIUM										.001 MG/L		UNV			
CADMIUM										.005 MG/L		UNV			
CALCIUM										113 MG/L		NV			
CHROMIUM										.006 MG/L		UNV			
COBALT										.004 MG/L		UNV			
COPPER										.009 MG/L		NV			

SAMPLE NUMBER:	EMGW_SYSGEN_763			068184			068185			PRS212602-R2			EMGW_SYSGEN_776		
LAB:	NET			IT			WMCO			ENSR			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE	.005 MG/L		UNV							.01 MG/L		UNV			
IRON										.011 MG/L		NV			
LEAD										.002 MG/L		UNV			
MAGNESIUM										25.7 MG/L		NV			
MANGANESE										.07 MG/L		NV			
MERCURY										.0002 MG/L		UNV			
NICKEL										.039 MG/L		UNV			
POTASSIUM										3.66 MG/L		NV			
SELENIUM										.01 MG/L		UNV			
SILVER										.008 MG/L		UNV			
SODIUM										5 MG/L		NV			
THALLIUM										.002 MG/L		UNV			
VANADIUM										.004 MG/L		UNV			
ZINC										.012 MG/L		UNV			
MISC															
ACROLEIN										25 UG/L		UNV			
ACROLEIN										25 UG/L		UNV			
ACROLEIN										25 UG/L		UNV			
ACROLEIN										25 UG/L		UNV			
ACRYLONITRILE										25 UG/L		UNV			
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
PESTICIDES															
4,4'-DDD										.01 UG/L		UNV			
4,4'-DDE										.01 UG/L		UNV			
4,4'-DDT										.01 UG/L		UNV			
ALDRIN										.005 UG/L		UNV			
ALPHA-BHC										.005 UG/L		UNV			
ALPHA-CHLORDANE										.05 UG/L		UNV			
AROCLOR-1016										.05 UG/L		UNV			
AROCLOR-1221										.05 UG/L		UNV			
AROCLOR-1232										.05 UG/L		UNV			
AROCLOR-1242										.05 UG/L		UNV			
AROCLOR-1248										.05 UG/L		UNV			
AROCLOR-1254										.1 UG/L		UNV			
AROCLOR-1260										.1 UG/L		UNV			
BETA-BHC										.005 UG/L		UNV			
DELTA-BHC										.005 UG/L		UNV			
DIELDRIN										.01 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_763			068184			068185			PRS212602-R2			EMGW_SYSGEN_776		
LAB:	NET			IT			WMCO			ENSR			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDOSULFAN II										.01 UG/L		UNV			
ENDOSULFAN SULFATE										.01 UG/L		UNV			
ENDOSULFAN-I										.005 UG/L		UNV			
ENDRIN										.01 UG/L		UNV			
ENDRIN KETONE										.01 UG/L		UNV			
GAMMA-BHC (LINDANE)										.005 UG/L		UNV			
GAMMA-CHLORDANE										.05 UG/L		UNV			
HEPTACHLOR										.005 UG/L		UNV			
HEPTACHLOR EPOXIDE										.005 UG/L		UNV			
METHOXYCHLOR										.05 UG/L		UNV			
TOXAPHENE										.1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U							2.66 PCI/L		NV
URANIUM, TOTAL				1 UG/L		UJ	.5 UG/L		NV				10 UG/L		NV
URANIUM-234				1 PCI/L		U							2.68 PCI/L		NV
THORIUM-230				1 PCI/L		U							1.24 PCI/L		NV
RADIUM-226				1 PCI/L		U							1 PCI/L		UNV
URANIUM-235/236				1 PCI/L		U							.36 PCI/L		UNV
THORIUM-232				1 PCI/L		U							.49 PCI/L		UNV
THORIUM, TOTAL				2.5 UG/L		U							4.4 UG/L		UNV
RADIUM-228				3 PCI/L		U							3 PCI/L		UNV
THORIUM-228				1.82 PCI/L	.48	J							.728 PCI/L		NV
NEPTUNIUM-237				1 PCI/L		UJ							.5 PCI/L		UNV
PLUTONIUM-239/240				1 PCI/L		UJ							.5 PCI/L		UNV
PLUTONIUM-238				1 PCI/L		UJ							.5 PCI/L		UNV
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		UJ							15 PCI/L		UNV
RUTHENIUM-106				150 PCI/L		R							150 PCI/L		UNV
CESIUM-137				20 PCI/L		R							8 PCI/L		UNV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										2 UG/L		UNV			
1,2-DICHLOROBENZENE										3 UG/L		UNV			
1,3-DICHLOROBENZENE										2 UG/L		UNV			
1,4-DICHLOROBENZENE										2 UG/L		UNV			
2,4,5-TRICHLOROPHENOL										2 UG/L		UNV			
2,4,6-TRICHLOROPHENOL										2 UG/L		UNV			
2,4-DICHLOROPHENOL										2 UG/L		UNV			
2,4-DIMETHYLPHENOL										2 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_763			068184			068185			PRS212602-R2			EMGW_SYSGEN_776		
LAB:	NET			IT			WMCO			ENSR			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DINITROPHENOL										15 UG/L		UNV			
2,4-DINITROTOLUENE										1 UG/L		UNV			
2,6-DINITROTOLUENE										1 UG/L		UNV			
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
2-CHLORONAPHTHALENE										2 UG/L		UNV			
2-CHLOROPHENOL										2 UG/L		UNV			
2-METHYLNAPHTHALENE										2 UG/L		UNV			
2-METHYLPHENOL										1 UG/L		UNV			
2-NITROANILINE										1 UG/L		UNV			
2-NITROPHENOL										2 UG/L		UNV			
3-NITROANILINE										3 UG/L		UNV			
4,6-DINITRO-2-METHYLPHENOL										15 UG/L		UNV			
4-BROMOPHENYL PHENYL ETHER										2 UG/L		UNV			
4-CHLORO-3-METHYLPHENOL										2 UG/L		UNV			
4-CHLOROPHENYLPHENYL ETHER										1 UG/L		UNV			
4-METHYLPHENOL										1 UG/L		UNV			
4-NITROANILINE										3 UG/L		UNV			
4-NITROPHENOL										2 UG/L		UNV			
ACENAPHTHENE										2 UG/L		UNV			
ACENAPHTHYLENE										2 UG/L		UNV			
ANTHRACENE										3 UG/L		UNV			
BENZO(A)ANTHRACENE										2 UG/L		UNV			
BENZO(A)PYRENE										2 UG/L		UNV			
BENZO(B)FLUORANTHENE										2 UG/L		UNV			
BENZO(G,H,I)PERYLENE										4 UG/L		UNV			
BENZO(K)FLUORANTHENE										2 UG/L		UNV			
BENZOIC ACID										20 UG/L		UNV			
BENZYL ALCOHOL										2 UG/L		UNV			
BIS(2-CHLOROETHOXY)METHANE										3 UG/L		UNV			
BIS(2-CHLOROETHYL)ETHER										2 UG/L		UNV			
BIS(2-CHLOROISOPROPYL) ETHER										3 UG/L		UNV			
BIS(2-ETHYLHEXYL)PHTHALATE										1 UG/L		UNV			
BUTYL BENZYL PHTHALATE										4 UG/L		UNV			
CHRYSENE										2 UG/L		UNV			
DI-N-BUTYL PHTHALATE										2 UG/L		UNV			
DI-N-OCTYL PHTHALATE										2 UG/L		UNV			
DIBENZO(A,H)ANTHRACENE										3 UG/L		UNV			
DIBENZOFURAN										1 UG/L		UNV			
DIETHYL PHTHALATE										1 UG/L		UNV			
DIMETHYL PHTHALATE										2 UG/L		UNV			
FLUORANTHENE										2 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_763			068184			068185			PRS212602-R2			EMGW_SYSGEN_776		
LAB:	NET			IT			WMCO			ENSR			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORENE										1 UG/L		UNV			
HEXACHLOROBENZENE										2 UG/L		UNV			
HEXACHLOROBUTADIENE										3 UG/L		UNV			
HEXACHLOROCYCLOPENTADIENE										2 UG/L		UNV			
HEXACHLOROETHANE										2 UG/L		UNV			
INDENO(1,2,3-CD)PYRENE										4 UG/L		UNV			
ISOPHORONE										3 UG/L		UNV			
N-NITROSO-DI-N-PROPYLAMINE										2 UG/L		UNV			
N-NITROSODIPHENYLAMINE										2 UG/L		UNV			
NAPHTHALENE										2 UG/L		UNV			
NITROBENZENE										3 UG/L		UNV			
P-CHLOROANILINE										2 UG/L		UNV			
PENTACHLOROPHENOL										2 UG/L		UNV			
PHENANTHRENE										1 UG/L		UNV			
PHENOL	.015 MG/L		NV							2 UG/L		UNV			
PYRENE										2 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV							2 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV							2 UG/L		UNV			
1,1,2-TRICHLOROETHANE	1 UG/L		UNV							2 UG/L		UNV			
1,1-DICHLOROETHANE	1 UG/L		UNV							2 UG/L		UNV			
1,1-DICHLOROETHENE	1 UG/L		UNV							2 UG/L		UNV			
1,2-DICHLOROETHANE	1 UG/L		UNV							2 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV							2 UG/L		UNV			
1,2-DICHLOROPROPANE	1 UG/L		UNV							2 UG/L		UNV			
2-BUTANONE	2 UG/L		UNV							5 UG/L		UNV			
2-HEXANONE	2 UG/L		UNV							5 UG/L		UNV			
4-METHYL-2-PENTANONE	2 UG/L		UNV							2 UG/L		UNV			
ACETONE	2 UG/L		UNV							10 UG/L		NV			
BENZENE	1 UG/L		UNV							2 UG/L		UNV			
BROMODICHLOROMETHANE	1 UG/L		UNV							2 UG/L		UNV			
BROMOFORM	1 UG/L		UNV							2 UG/L		UNV			
BROMOMETHANE	1 UG/L		UNV							2 UG/L		UNV			
CARBON DISULFIDE	1 UG/L		UNV							3 UG/L		UNV			
CARBON TETRACHLORIDE	1 UG/L		UNV							2 UG/L		UNV			
CHLOROBENZENE	1 UG/L		UNV							2 UG/L		UNV			
CHLOROETHANE	1 UG/L		UNV							2 UG/L		UNV			
CHLOROFORM	1 UG/L		UNV							2 UG/L		UNV			
CHLOROMETHANE	1 UG/L		UNV							2 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV							2 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_763			068184			068185			PRS212602-R2			EMGW_SYSGEN_776		
LAB:	NET			IT			WMCO			ENSR			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
DIBROMOCHLOROMETHANE	1 UG/L		UNV							2 UG/L		UNV			
ETHYLBENZENE	1 UG/L		UNV							2 UG/L		UNV			
METHYLENE CHLORIDE	1 UG/L		UNV							14 UG/L		NV			
STYRENE	1 UG/L		UNV							1 UG/L		UNV			
TETRACHLOROETHENE	1 UG/L		UNV							2 UG/L		UNV			
TOLUENE	1 UG/L		UNV							2 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV							1 UG/L		UNV			
TRICHLOROETHENE	1 UG/L		UNV							2 UG/L		UNV			
VINYL ACETATE	2 UG/L		UNV							5 UG/L		UNV			
VINYL CHLORIDE	1 UG/L		UNV							2 UG/L		UNV			
XYLENES, TOTAL	1 UG/L		UNV							5 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_776	068055	068056	004011	004011
TASK:	GWMON	3.11	3.11	3.2.4	3.2.4
LAB:	WMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	2127	2127	2127	2127	2127
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-AUG-90	01-JUN-91	01-JUN-91	02-APR-89	02-APR-89
NORTH COORDINATE:	470038.58	470038.58	470038.58	470038.58	470038.58
EAST COORDINATE:	1380153.3	1380153.3	1380153.3	1380153.3	1380153.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													1.932 MG/L		-
CHLORIDE													15 MG/L		-
FLUORIDE													.25 MG/L		-
NITRATE													.1 MG/L		UJ
PHENOLS													.01 MG/L		U
PHOSPHORUS													3.74 MG/L		J
SULFATE													363.6 MG/L		J
TOTAL KJELDAHL NITROGEN													1.98 MG/L		-
TOTAL ORGANIC HALIDES													.0248 MG/L		-
TOTAL ORGANIC NITROGEN													.1 MG/L		U
INORGANICS															
ARSENIC										.002 MG/L		U			
BARIUM										.162 MG/L		-			
CADMIUM										.0022 MG/L		-			
CALCIUM										81.1 MG/L		-			
CHROMIUM										.0023 MG/L		-			
COPPER										.0119 MG/L		-			
IRON										.0712 MG/L		-			
LEAD										.0044 MG/L		-			
MAGNESIUM										20.2 MG/L		-			
MANGANESE										.35 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.003 MG/L		U			
NICKEL										.011 MG/L		-			
POTASSIUM										3.17 MG/L		J			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_776			068055			068056			004011			004011		
LAB:	WMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM										.002 MG/L		R			
SILVER										.0005 MG/L		U			
SODIUM										10.4 MG/L		-			
RADIONUCLIDES															
URANIUM-238				1.89 PCI/L	.46	-	1 PCI/L		U				10.9 PCI/L	1.8	-
URANIUM, TOTAL	7 UG/L		NV	6.16 UG/L	.65	-	1 UG/L		U				37 UG/L	5	-
URANIUM-234				1.85 PCI/L	.46	-	1 PCI/L		U				9.6 PCI/L	1.7	-
THORIUM-230				1.36 PCI/L	.57	J	1 PCI/L		U				1 PCI/L		U
RADIUM-226				1 PCI/L		U	1 PCI/L		U				1 PCI/L		U
URANIUM-235/236				1 PCI/L		U	1 PCI/L		U				1 PCI/L		U
THORIUM-232				1 PCI/L		U	1 PCI/L		U				1.1 PCI/L	.6	-
THORIUM, TOTAL				4.7 UG/L		U	4.5 UG/L		U				10 UG/L	5	-
RADIUM-228				3 PCI/L		U	3 PCI/L		U				3 PCI/L		UJ
THORIUM-228				1 PCI/L		U	1 PCI/L		U				1.5 PCI/L	.7	-
NEPTUNIUM-237				1 PCI/L		U	1 PCI/L		UJ				1 PCI/L		U
PLUTONIUM-239/240				1 PCI/L		U	1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238				1 PCI/L		U	1 PCI/L		U				1 PCI/L		U
STRONTIUM-90				5 PCI/L		U	5 PCI/L		UJ				5 PCI/L		U
TECHNETIUM-99				30 PCI/L		U	30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106				150 PCI/L		UJ	150 PCI/L		U				150 PCI/L		R
CESIUM-137				20 PCI/L		UJ	20 PCI/L		U				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068288	068289	EMGW_SYSGEN_774	EMGW_SYSGEN_774	EMGW_SYSGEN_772
TASK:	3.11	3.11	GWMON	GWMON	GWMON
LAB:	IT	WEMCO	IT	WMCO	IT
WELL OR BORING NUMBER:	2127	2127	2127	2127	2127
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-OCT-91	03-OCT-91	05-JUL-90	05-JUL-90	06-JUN-90
NORTH COORDINATE:	470038.58	470038.58	470038.58	470038.58	470038.58
EAST COORDINATE:	1380153.3	1380153.3	1380153.3	1380153.3	1380153.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.4 MG/L		-												
CHLORIDE	10 MG/L		-												
FLUORIDE	.1 MG/L		U												
NITRATE	.18 MG/L		-												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.85 MG/L		-												
SULFATE	28 MG/L		-												
SULFIDE	80 MG/L		-												
TOTAL ORGANIC CARBON	5 MG/L		-												
TOTAL ORGANIC HALIDES	.01 MG/L		U												
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
INORGANICS															
ALUMINUM	.041 MG/L		-												
ANTIMONY	.03 MG/L		U												
ARSENIC	.0118 MG/L		-												
BARIUM	.268 MG/L		-												
BERYLLIUM	.001 MG/L		U												
CADMIUM	.005 MG/L		U												
CALCIUM	87.3 MG/L		-												
CHROMIUM	.01 MG/L		U												
COBALT	.02 MG/L		U												
COPPER	.01 MG/L		U												
IRON	1.12 MG/L		-												
LEAD	.0021 MG/L		-												
MAGNESIUM	22.3 MG/L		-												

SAMPLE NUMBER:	068288			068289			EMGW_SYSGEN_774			EMGW_SYSGEN_774			EMGW_SYSGEN_772		
LAB:	IT			WEMCO			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE	1.45 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.01 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	2.73 MG/L		-												
SELENIUM	.006 MG/L		UJ												
SILICON	7.97 MG/L		-												
SILVER	.005 MG/L		U												
SODIUM	6.25 MG/L		-												
THALLIUM	.002 MG/L		U												
VANADIUM	.01 MG/L		U												
ZINC	.0157 MG/L		U												
RADIONUCLIDES															
URANIUM-238							2.67 PCI/L		NV				2.57 PCI/L		NV
URANIUM, TOTAL	2.02 UG/L	.34	NV	1.7 UG/L		NV	8.01 UG/L		NV	8.79 UG/L		NV	7.67 UG/L		NV
URANIUM-234							1.99 PCI/L		NV				2.54 PCI/L		NV
THORIUM-230							.526 PCI/L		NV				.3 PCI/L		NV
RADIUM-226	1 PCI/L		UNV				3.86 PCI/L		NV				1 PCI/L		UNV
URANIUM-235/236							.29 PCI/L		UNV				.25 PCI/L		UNV
THORIUM-232							.29 PCI/L		UNV				.29 PCI/L		UNV
THORIUM, TOTAL							2.7 UG/L		UNV				2.6 UG/L		UNV
RADIUM-228	3 PCI/L		UNV				3 PCI/L		UNV				3 PCI/L		UNV
THORIUM-228							.29 PCI/L		UNV				.29 PCI/L		UNV
NEPTUNIUM-237							.5 PCI/L		UNV				.5 PCI/L		UNV
PLUTONIUM-239/240							.5 PCI/L		UNV				.5 PCI/L		UNV
PLUTONIUM-238							.5 PCI/L		UNV				.5 PCI/L		UNV
STRONTIUM-90	5.31 PCI/L	1.2	NV				1 PCI/L		UNV				1 PCI/L		UNV
TECHNETIUM-99	30 PCI/L		NV				22 PCI/L		UNV				15 PCI/L		UNV
RUTHENIUM-106	150 PCI/L		UNV				150 PCI/L		UNV				150 PCI/L		UNV
CESIUM-137	20 PCI/L		NV				6 PCI/L		UNV				12 PCI/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_772	EMGW_SYSGEN_770	EMGW_SYSGEN_770	004238	004238
TASK:	GWMON	GWMON	GWMON	3.2.4	3.2.4
LAB:	WMCO	IT	WMCO	IT	IT
WELL OR BORING NUMBER:	2127	2127	2127	2127	2127
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-JUN-90	09-MAY-90	09-MAY-90	10-APR-90	10-APR-90
NORTH COORDINATE:	470038.58	470038.58	470038.58	470038.58	470038.58
EAST COORDINATE:	1380153.3	1380153.3	1380153.3	1380153.3	1380153.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													.1 MG/L		U
CHLORIDE													9.2 MG/L		-
FLUORIDE													.09 MG/L		-
NITRATE													.38 MG/L		J
PHENOLS													.013 MG/L		J
PHOSPHORUS													.7 MG/L		-
SULFATE													92 MG/L		J
SULFIDE													.5 MG/L		U
TOTAL KJELDAHL NITROGEN													.1 MG/L		U
TOTAL ORGANIC HALIDES													.01 MG/L		UR
TOTAL ORGANIC NITROGEN													.1 MG/L		U
INORGANICS															
ALUMINUM										.129 MG/L		-			
ARSENIC										.002 MG/L		U			
BARIUM										.086 MG/L		-			
CADMIUM										.003 MG/L		-			
CALCIUM										114 MG/L		-			
CHROMIUM										.037 MG/L		-			
COPPER										.01 MG/L		U			
IRON										.072 MG/L		-			
LEAD										.002 MG/L		U			
MAGNESIUM										25.6 MG/L		-			
MANGANESE										.161 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_772			EMGW_SYSGEN_770			EMGW_SYSGEN_770			004238			004238		
LAB:	WMCO			IT			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL										.02 MG/L		U			
POTASSIUM										2390 MG/L		-			
SELENIUM										.002 MG/L		U			
SILICON										3.85 MG/L		-			
SILVER										.013 MG/L		-			
SODIUM										12.8 MG/L		-			
VANADIUM										.021 MG/L		-			
RADIONUCLIDES															
URANIUM-238				3.46 PCI/L		NV							2.79 PCI/L	.53	-
URANIUM, TOTAL	8.88 UG/L		NV	8.14 UG/L		NV	4.88 UG/L		NV				8.39 UG/L	1.63	-
URANIUM-234				3.33 PCI/L		NV							2.42 PCI/L	.48	-
THORIUM-230				.974 PCI/L		NV							1 PCI/L		U
RADIUM-226				1 PCI/L		UNV							1 PCI/L		UNV
URANIUM-235/236				.312 PCI/L		NV							1 PCI/L		U
THORIUM-232				.21 PCI/L		UNV							1 PCI/L		U
THORIUM, TOTAL				1.9 UG/L		UNV							2.62 UG/L	1.78	-
RADIUM-228				3 PCI/L		UNV							3 PCI/L		UJ
THORIUM-228				.431 PCI/L		NV							1 PCI/L		U
NEPTUNIUM-237				.5 PCI/L		UNV							1 PCI/L		U
PLUTONIUM-239/240				.5 PCI/L		UNV							1 PCI/L		U
PLUTONIUM-238				.5 PCI/L		UNV							1 PCI/L		U
STRONTIUM-90				1 PCI/L		UNV							5 PCI/L		U
TECHNETIUM-99				25 PCI/L		UNV							30 PCI/L		R
RUTHENIUM-106				150 PCI/L		UNV							150 PCI/L		R
CESIUM-137				8 PCI/L		UNV							20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068456	068456	068456	EMGW_SYSGEN_777	EMGW_SYSGEN_777
TASK:	3.11	3.11	3.11	GWMON	GWMON
LAB:	IT	IT-KNOX	IT-KNOX	IT	WMCO
WELL OR BORING NUMBER:	2127	2127	2127	2127	2127
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-DEC-91	14-DEC-91	14-DEC-91	15-AUG-90	15-AUG-90
NORTH COORDINATE:	470038.58	470038.58	470038.58	470038.58	470038.58
EAST COORDINATE:	1380153.3	1380153.3	1380153.3	1380153.3	1380153.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.209 MG/L		-						
CHLORIDE							14.5 MG/L		-						
FLUORIDE							.1 MG/L		U						
NITRATE							.139 MG/L		-						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.92 MG/L		-						
SULFATE							2 MG/L		U						
SULFIDE							.5 MG/L		U						
TOTAL ORGANIC CARBON							2.98 MG/L		-						
TOTAL ORGANIC HALIDES							.01 MG/L		UJ						
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
INORGANICS															
ALUMINUM				.101 MG/L		-									
ARSENIC				.0054 MG/L		-									
BARIUM				.358 MG/L		-									
CADMIUM				.0037 MG/L		-									
CALCIUM				97.4 MG/L		-									
CHROMIUM				.0235 MG/L		-									
COPPER				.01 MG/L		U									
IRON				1.19 MG/L		J									
LEAD				.002 MG/L		UJ									
MAGNESIUM				27.3 MG/L		-									
MANGANESE				1.58 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.01 MG/L		U									

0028002

SAMPLE NUMBER:	068456			068456			068456			EMGW_SYSGEN_777			EMGW_SYSGEN_777		
LAB:	IT			IT-KNOX			IT-KNOX			IT			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.02 MG/L		U									
POTASSIUM				3.91 MG/L		-									
SELENIUM				.002 MG/L		U									
SILICON				6.19 MG/L		-									
SILVER				.0217 MG/L		-									
SODIUM				9.37 MG/L		-									
VANADIUM				.0111 MG/L		-									
RADIONUCLIDES															
URANIUM-238	1.19 PCI/L	.62	-							6.39 PCI/L		NV			
URANIUM, TOTAL	3.85 UG/L	.41	-							19.2 UG/L		NV	12 UG/L		NV
URANIUM-234	1 PCI/L		U							5.55 PCI/L		NV			
THORIUM-230	1 PCI/L		U							.624 PCI/L		NV			
RADIUM-226	1 PCI/L		UJ							1 PCI/L		UNV			
URANIUM-235/236	1 PCI/L		U							.461 PCI/L		NV			
THORIUM-232	1 PCI/L		U							.2 PCI/L		UNV			
THORIUM, TOTAL	5.1 UG/L		U							.5 UG/L		UNV			
RADIUM-228	3 PCI/L		U							3 PCI/L		UNV			
THORIUM-228	1 PCI/L		U							.713 PCI/L		NV			
NEPTUNIUM-237										.5 PCI/L		UNV			
PLUTONIUM-239/240	1 PCI/L		U							.5 PCI/L		UNV			
PLUTONIUM-238	1 PCI/L		U							.5 PCI/L		UNV			
STRONTIUM-90	5 PCI/L		U							1 PCI/L		UNV			
TECHNETIUM-99	30 PCI/L		UJ							15 PCI/L		UNV			
RUTHENIUM-106	150 PCI/L		R							150 PCI/L		UNV			
CESIUM-137	20 PCI/L		R							9.6 PCI/L		UNV			
GROSS ALPHA	6 PCI/L		UNV												
GROSS BETA	5.6 PCI/L	2.75	NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_775	EMGW_SYSGEN_775	067985	067985	067986
TASK:	GWMON	GWMON	3.11	3.11	3.11
LAB:	IT	WMCO	IT	IT	WEMCO
WELL OR BORING NUMBER:	2127	2127	2127	2127	2127
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-JUL-90	18-JUL-90	19-APR-91	19-APR-91	19-APR-91
NORTH COORDINATE:	470038.58	470038.58	470038.58	470038.58	470038.58
EAST COORDINATE:	1380153.3	1380153.3	1380153.3	1380153.3	1380153.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.436 MG/L		J			
CHLORIDE										15.6 MG/L		-			
FLUORIDE										.1 MG/L		J			
NITRATE										.179 MG/L		J			
PHOSPHORUS										.65 MG/L		-			
SULFATE										13.1 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON										3.55 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.1 MG/L		UJ			
INORGANICS															
ALUMINUM							.074 MG/L		-						
ARSENIC							.026 MG/L		-						
BARIUM							.075 MG/L		-						
CADMIUM							.005 MG/L		-						
CALCIUM							121.1 MG/L		-						
CHROMIUM							.018 MG/L		-						
COPPER							.012 MG/L		-						
IRON							.04 MG/L		-						
LEAD							.02 MG/L		U						
MAGNESIUM							27.9 MG/L		-						
MANGANESE							1.19 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.01 MG/L		U						
NICKEL							.02 MG/L		U						

SAMPLE NUMBER:	EMGW_SYSGEN_775			EMGW_SYSGEN_775			067985			067985			067986		
LAB:	IT			WMCO			IT			IT			WEMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM							1.42 MG/L		-						
SELENIUM							.02 MG/L		U						
SILICON							4.85 MG/L		-						
SILVER							.023 MG/L		-						
VANADIUM							.01 MG/L		U						
RADIONUCLIDES															
URANIUM-238	3.42 PCI/L		NV				3.38 PCI/L	.8	-						
URANIUM, TOTAL	10 UG/L		NV	7.5 UG/L		NV	4.22 UG/L	.44	-				4.1 UG/L		NV
URANIUM-234	3.56 PCI/L		NV				4 PCI/L	.89	-						
THORIUM-230	1.64 PCI/L		NV				1 PCI/L		U						
RADIUM-226	1 PCI/L		UNV				1 PCI/L		R						
URANIUM-235/236	.354 PCI/L		NV				1 PCI/L		U						
THORIUM-232	.2 PCI/L		UNV				1 PCI/L		U						
THORIUM, TOTAL	1.3 UG/L		UNV				2.1 UG/L		U						
RADIUM-228	3.2 PCI/L		UNV				3 PCI/L		U						
THORIUM-228	.876 PCI/L		NV				1.56 PCI/L	.4	-						
NEPTUNIUM-237	.5 PCI/L		UNV				1 PCI/L		UJ						
PLUTONIUM-239/240	.5 PCI/L		UNV				1 PCI/L		UJ						
PLUTONIUM-238	.5 PCI/L		UNV				1 PCI/L		UJ						
STRONTIUM-90	1.82 PCI/L		NV				5 PCI/L		UJ						
TECHNETIUM-99	45 PCI/L		UNV				30 PCI/L		R						
RUTHENIUM-106	150 PCI/L		UNV				150 PCI/L		R						
CESIUM-137	11 PCI/L		UNV				20 PCI/L		R						
SEMIVOLATILES															
PHENOL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	067987			067987			EMGW_SYSGEN_773			EMGW_SYSGEN_773			EMGW_SYSGEN_771		
TASK:	3.11			3.11			GWMON			GWMON			GWMON		
LAB:	IT			IT			IT			WMCO			IT		
WELL OR BORING NUMBER:	2127			2127			2127			2127			2127		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	20-APR-91			20-APR-91			20-JUN-90			20-JUN-90			23-MAY-90		
NORTH COORDINATE:	470038.58			470038.58			470038.58			470038.58			470038.58		
EAST COORDINATE:	1380153.3			1380153.3			1380153.3			1380153.3			1380153.3		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			R-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238							2.65 PCI/L		NV				2.77 PCI/L		NV
URANIUM, TOTAL							7.94 UG/L		NV	7.44 UG/L		NV	8.33 UG/L		NV
URANIUM-234							2.45 PCI/L		NV				1.91 PCI/L		NV
THORIUM-230							.332 PCI/L		NV				.728 PCI/L		NV
RADIUM-226							1 PCI/L		UNV				1 PCI/L		UNV
URANIUM-235/236							.22 PCI/L		UNV				2.4 PCI/L		UNV
THORIUM-232							.21 PCI/L		UNV				.32 PCI/L		UNV
THORIUM, TOTAL							1.9 UG/L		UNV				2.8 UG/L		UNV
RADIUM-228							3 PCI/L		UNV				3 PCI/L		UNV
THORIUM-228							.316 PCI/L		NV				.329 PCI/L		NV
NEPTUNIUM-237							.5 PCI/L		UNV				.5 PCI/L		UNV
PLUTONIUM-239/240							.5 PCI/L		UNV				.5 PCI/L		UNV
PLUTONIUM-238							.5 PCI/L		UNV				.5 PCI/L		UNV
STRONTIUM-90							1 PCI/L		UNV				1 PCI/L		UNV
TECHNETIUM-99							16 PCI/L		UNV				54 PCI/L		UNV
RUTHENIUM-106							150 PCI/L		UNV				150 PCI/L		UNV
CESIUM-137							6 PCI/L		UNV				15.5 PCI/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U												
1,1,2-TRICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHENE	5 UG/L		U												
1,2-DICHLOROETHANE	5 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		U												

SAMPLE NUMBER:	067987			067987			EMGW_SYSGEN_773			EMGW_SYSGEN_773			EMGW_SYSGEN_771		
LAB:	IT			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			R-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE	5 UG/L		U												
2-BUTANONE	10 UG/L		UJ												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		U												
BENZENE	5 UG/L		U												
BROMODICHLOROMETHANE	5 UG/L		U												
BROMOFORM	5 UG/L		U												
BROMOMETHANE	10 UG/L		UJ												
CARBON DISULFIDE	5 UG/L		U												
CARBON TETRACHLORIDE	5 UG/L		U												
CHLOROBENZENE	5 UG/L		U												
CHLOROETHANE	10 UG/L		UJ												
CHLOROFORM	5 UG/L		U												
CHLOROMETHANE	10 UG/L		UJ												
CIS-1,3-DICHLOROPROPENE	5 UG/L		U												
DIBROMOCHLOROMETHANE	5 UG/L		U												
ETHYLBENZENE	21 UG/L		J												
METHYLENE CHLORIDE	5 UG/L		U												
STYRENE	5 UG/L		U												
TETRACHLOROETHENE	5 UG/L		U	5 UG/L		UJ									
TOLUENE	5 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U												
TRICHLOROETHENE	5 UG/L		U												
VINYL ACETATE	10 UG/L		UJ												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	3 UG/L		J												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_771	004110	004110	004156	004156
TASK:	GWMON	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	WMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	2127	2127	2127	2127	2127
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-MAY-90	24-MAY-89	24-MAY-89	25-JUL-89	25-JUL-89
NORTH COORDINATE:	470038.58	470038.58	470038.58	470038.58	470038.58
EAST COORDINATE:	1380153.3	1380153.3	1380153.3	1380153.3	1380153.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.119 MG/L		J				.213 MG/L		-
CHLORIDE							16 MG/L		J				13 MG/L		-
FLUORIDE							.11 MG/L		J				.14 MG/L		-
NITRATE							2.2 MG/L		J				.416 MG/L		-
PHENOLS							.01 MG/L		UJ				.01 MG/L		U
PHOSPHORUS							1.48 MG/L		J				2.75 MG/L		-
SULFATE							75 MG/L		J				60 MG/L		-
SULFIDE							23.8 MG/L		J				.5 MG/L		UJ
TOTAL KJELDAHL NITROGEN							1.034 MG/L		J				.786 MG/L		-
TOTAL ORGANIC CARBON							1 MG/L		UJ				2.34 MG/L		-
TOTAL ORGANIC HALIDES							.01 MG/L		U				.018 MG/L		J
TOTAL ORGANIC NITROGEN							.915 MG/L		J				.573 MG/L		-
INORGANICS															
ALUMINUM				.125 MG/L		UJ				.112 MG/L		-			
ARSENIC				.002 MG/L		UJ				.004 MG/L		J			
BARIUM				.163 MG/L		J				.116 MG/L		-			
CADMIUM				.0037 MG/L		J				.003 MG/L		-			
CALCIUM				104 MG/L		J				107 MG/L		-			
CHROMIUM				.0391 MG/L		J				.032 MG/L		-			
COPPER				.01 MG/L		UJ				.01 MG/L		U			
IRON				.155 MG/L		J				.088 MG/L		-			
LEAD				.0047 MG/L		UJ				.002 MG/L		U			
MAGNESIUM				24.2 MG/L		J				25.3 MG/L		-			
MANGANESE				2.45 MG/L		J				.517 MG/L		-			
MERCURY				.0002 MG/L		UJ				.0002 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_771			004110			004110			004156			004156		
LAB:	WMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM				.01 MG/L		UJ				.01 MG/L		U			
NICKEL				.02 MG/L		UJ				.02 MG/L		U			
POTASSIUM				2.74 MG/L		J				2.42 MG/L		-			
SELENIUM				.002 MG/L		UJ				.002 MG/L		U			
SILICON				4.26 MG/L		J				4.96 MG/L		-			
SILVER				.0129 MG/L		J				.01 MG/L		U			
SODIUM				7.88 MG/L		J				7.81 MG/L		-			
VANADIUM				.0191 MG/L		J				.014 MG/L		-			
RADIONUCLIDES															
URANIUM-238							1.9 PCI/L	.4	-				3.7 PCI/L	.6	-
URANIUM, TOTAL	7.33 UG/L		NV				6 UG/L	1	-				14 UG/L	3	-
URANIUM-234							1.8 PCI/L	.4	-				3.3 PCI/L	.6	-
THORIUM-230							1 PCI/L		UJ				1 PCI/L		UJ
RADIUM-226							1 PCI/L		U				1 PCI/L		UJ
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-232							1 PCI/L		UJ				1 PCI/L		UJ
THORIUM, TOTAL							5 UG/L		UJ				5 UG/L		UJ
RADIUM-228							3 PCI/L		UJ				3 PCI/L		UJ
THORIUM-228							1 PCI/L		UJ				1 PCI/L		UJ
NEPTUNIUM-237							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		UJ				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		UJ				1 PCI/L		U
STRONTIUM-90							5 PCI/L		U				12.1 PCI/L	1.8	-
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106							150 PCI/L		UJ				150 PCI/L		R
CESIUM-137							20 PCI/L		UJ				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068429	068588	068544	068120	068120
TASK:	3.11	3.11	3.11	3.11	3.11
LAB:	IT/RSL	IT	IT	IT	IT
WELL OR BORING NUMBER:	2127	2127	2127	2127	2127
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-NOV-91	26-FEB-92	28-JAN-92	29-JUN-91	29-JUN-91
NORTH COORDINATE:	470038.58	470038.58	470038.58	470038.58	470038.58
EAST COORDINATE:	1380153.3	1380153.3	1380153.3	1380153.3	1380153.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													.0001 MG/L		U
CHLORIDE													.0121 MG/L		-
FLUORIDE													.00015 MG/L		-
NITRATE													.0162 MG/L		J
PHENOLS													.00001 MG/L		U
PHOSPHORUS													.00089 MG/L		-
SULFATE													.0477 MG/L		J
SULFIDE													.0005 MG/L		U
TOTAL ORGANIC CARBON													.00251 MG/L		-
TOTAL ORGANIC HALIDES													.00001 MG/L		U
TOTAL ORGANIC NITROGEN													.003 MG/L		U
INORGANICS															
ALUMINUM										.101 MG/L		-			
ARSENIC										.000002 MG/L		-			
BARIUM										.085 MG/L		R			
CADMIUM										.0033 MG/L		-			
CALCIUM										95.4 MG/L		-			
CHROMIUM										.0244 MG/L		-			
COPPER										.01 MG/L		U			
IRON										.0676 MG/L		-			
LEAD										.000002 MG/L		U			
MAGNESIUM										23.4 MG/L		-			
MANGANESE										1.1 MG/L		-			
MERCURY										.0000002 MG/L		UJ			
MOLYBDENUM										.0118 MG/L		-			

SAMPLE NUMBER:	068429			068588			068544			068120			068120		
LAB:	IT/RSL			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL										.02 MG/L		U			
POTASSIUM										.00268 MG/L		-			
SELENIUM										.000002 MG/L		U			
SILICON										4.14 MG/L		-			
SILVER										.0198 MG/L		-			
SODIUM										7.42 MG/L		-			
VANADIUM										.012 MG/L		-			
RADIONUCLIDES															
URANIUM-238	4.83 PCI/L	1.16	-	5.97 PCI/L	1.76	J	7.21 PCI/L	1.31	J						
URANIUM, TOTAL	1.56 UG/L	.17	-	11.4 UG/L	1.6	-	17.1 UG/L	2.4	-						
URANIUM-234	5.48 PCI/L	1.25	-	4.4 PCI/L	1.49	J	6.7 PCI/L	1.26	J						
THORIUM-230	3.16 PCI/L	1.5	J	1 PCI/L		U	1 PCI/L		U						
RADIUM-226	1.52 PCI/L	.36	-	1 PCI/L		U	1 PCI/L		U						
URANIUM-235/236	1 PCI/L		-	1 PCI/L		U	1.25 PCI/L	.47	J						
THORIUM-232	1.1 PCI/L		-	1 PCI/L		U	1 PCI/L		U						
THORIUM, TOTAL	9.9 UG/L		-	1.6 UG/L		U	6.6 UG/L	4.23	-						
RADIUM-228	3 PCI/L		UJ	3 PCI/L		U	3 PCI/L		U						
THORIUM-228	4.02 PCI/L	1.71	J	1 PCI/L		U	1 PCI/L		U						
NEPTUNIUM-237							1 PCI/L		UJ						
PLUTONIUM-239/240	1 PCI/L		-	1 PCI/L		UJ	1 PCI/L		U						
PLUTONIUM-238	1 PCI/L		-	1 PCI/L		UJ	1 PCI/L		U						
STRONTIUM-90	5 PCI/L		-	5 PCI/L		U	5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		-	30 PCI/L		UJ	30 PCI/L		U						
RUTHENIUM-106	150 PCI/L		UJ	150 PCI/L		R	150 PCI/L		UJ						
CESIUM-137	20 PCI/L		J	20 PCI/L		R	20 PCI/L		UJ						
GROSS ALPHA				10.1 PCI/L	4.7	NV	9.81 PCI/L	6.01	NV						
GROSS BETA				15.2 PCI/L	3.2	NV	6.96 PCI/L	3.15	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068120	068121	EMGW_SYSGEN_769	EMGW_SYSGEN_769	068360
TASK:	3.11	3.11	GWMON	GWMON	3.11
LAB:	IT/RSL	WEMCO	IT	NET	IT/RSL
WELL OR BORING NUMBER:	2127	2127	2127	2127	2127
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-JUN-91	29-JUN-91	30-APR-90	30-APR-90	30-OCT-91
NORTH COORDINATE:	470038.58	470038.58	470038.58	470038.58	470038.58
EAST COORDINATE:	1380153.3	1380153.3	1380153.3	1380153.3	1380153.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE										18 MG/L		NV			
NITRATE, AS NITROGEN										.98 MG/L		NV			
SULFATE										94 MG/L		NV			
TOTAL ORGANIC CARBON										3 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
MISC															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	3.23 PCI/L	.8	J				3.02 PCI/L		NV				1 PCI/L		U
URANIUM, TOTAL	12.3 UG/L	1.3	U	10 UG/L		NV	7.26 UG/L		NV				2.51 UG/L	.27	-
URANIUM-234	3.13 PCI/L	.78	J				8.04 PCI/L		NV				1 PCI/L		U
THORIUM-230	1 PCI/L		UJ				.35 PCI/L		UNV				1 PCI/L		U
RADIUM-226	1 PCI/L		U				1 PCI/L		UNV				1 PCI/L		U
URANIUM-235/236	1 PCI/L		UJ				.487 PCI/L		NV				1 PCI/L		U
THORIUM-232	1 PCI/L		UJ				.35 PCI/L		UNV				1 PCI/L		U
THORIUM, TOTAL	1.8 UG/L		UJ				3.2 UG/L		UNV				2.5 UG/L		U
RADIUM-228	3 PCI/L		UJ				3 PCI/L		UNV				3 PCI/L		U
THORIUM-228	1.03 PCI/L	.3	J				.35 PCI/L		UNV				1.79 PCI/L	.59	-
NEPTUNIUM-237	1 PCI/L		UJ										1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		UJ										1 PCI/L		U
PLUTONIUM-238	1 PCI/L		UJ										1 PCI/L		U
STRONTIUM-90	5 PCI/L		UJ										5 PCI/L		U
TECHNETIUM-99	30 PCI/L		UJ										30 PCI/L		U

SAMPLE NUMBER:	068120			068121			EMGW_SYSGEN_769			EMGW_SYSGEN_769			068360		
LAB:	IT/RSL			WEMCO			IT			NET			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
RUTHENIUM-106	150 PCI/L		UJ										150 PCI/L		U
CESIUM-137	20 PCI/L		UJ										20 PCI/L		U
GROSS ALPHA							13.4 PCI/L		NV						
GROSS BETA							28 PCI/L		UNV						
SEMIVOLATILES															
1,3-DICHLOROBENZENE										1 UG/L		UNV			
1,4-DICHLOROBENZENE										1 UG/L		UNV			
2-CHLOROETHYLVINYL ETHER										60 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
TRICHLOROFLUOROMETHANE										1 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068200	068201	004199	004199	EMGW_SYSGEN_779
TASK:	3.11	3.11	3.2.4	3.2.4	GWMON
LAB:	IT	WMCO	IT	IT	IT
WELL OR BORING NUMBER:	2127	2127	2128	2128	2128
DEPTH:	-	-	-	-	-
DATE COLLECTED:	31-JUL-91	31-JUL-91	01-JUN-90	01-JUN-90	04-SEP-90
NORTH COORDINATE:	470038.58	470038.58	473552.11	473552.11	473552.11
EAST COORDINATE:	1380153.3	1380153.3	1379795.75	1379795.75	1379795.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		U			
CHLORIDE										7.2 MG/L		-			
FLUORIDE										.35 MG/L		-			
NITRATE										1.41 MG/L		R			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										16.2 MG/L		-			
SULFATE										58.1 MG/L		-			
TOTAL ORGANIC CARBON										6 MG/L		J			
TOTAL ORGANIC HALIDES										.01 MG/L		R			
TOTAL ORGANIC NITROGEN										1.96 MG/L		-			
INORGANICS															
ALUMINUM							.06 MG/L		U						
ARSENIC							.019 MG/L		-						
BARIUM							.051 MG/L		-						
CADMIUM							.004 MG/L		-						
CALCIUM							89.2 MG/L		-						
CHROMIUM							.024 MG/L		-						
COPPER							.01 MG/L		U						
IRON							.037 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							23.8 MG/L		-						
MANGANESE							.02 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.013 MG/L		-						
NICKEL							.02 MG/L		U						

SAMPLE NUMBER:	068200			068201			004199			004199			EMGW_SYSGEN_779		
LAB:	IT			WMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM							2.1 MG/L		-						
SELENIUM							.002 MG/L		U						
SILICON							8.08 MG/L		-						
SILVER							.015 MG/L		-						
SODIUM							70.9 MG/L		-						
VANADIUM							.01 MG/L		U						
RADIONUCLIDES															
URANIUM-238	2.09 PCI/L	.43	-							3.46 PCI/L	.64	-	1.68 PCI/L		NV
URANIUM, TOTAL	8.06 UG/L	.84	J	8.5 UG/L		NV				15.3 UG/L	2.5	-	5.05 UG/L		NV
URANIUM-234	1.79 PCI/L	.39	-							3.72 PCI/L	.67	-	1.67 PCI/L		NV
THORIUM-230	1 PCI/L		U							1 PCI/L		U	1.9 PCI/L		UNV
RADIUM-226	1 PCI/L		U							1 PCI/L		R	1 PCI/L		UNV
URANIUM-235/236	1 PCI/L		U							1 PCI/L		U	.2 PCI/L		UNV
THORIUM-232	1 PCI/L		U							1 PCI/L		U	1.9 PCI/L		UNV
THORIUM, TOTAL	1.5 UG/L		U							2.6 UG/L		U	17 UG/L		UNV
RADIUM-228	3 PCI/L		U							3 PCI/L		U	3 PCI/L		UNV
THORIUM-228	2.06 PCI/L	.42	J							1 PCI/L		U	1.9 PCI/L		UNV
NEPTUNIUM-237	1 PCI/L		U							1 PCI/L		U			
PLUTONIUM-239/240	1 PCI/L		UJ							1 PCI/L		U			
PLUTONIUM-238	1 PCI/L		UJ							1 PCI/L		UJ			
STRONTIUM-90	5 PCI/L		U							7.61 PCI/L	2.83	R			
TECHNETIUM-99	30 PCI/L		U							30 PCI/L		U			
RUTHENIUM-106	150 PCI/L		R							150 PCI/L		R			
CESIUM-137	20 PCI/L		R							20 PCI/L		R			
GROSS ALPHA													139 PCI/L		NV
GROSS BETA													123 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_779	EMGW_SYSGEN_778	EMGW_SYSGEN_778	EMGW_SYSGEN_778D	068442
TASK:	GWMON	GWMON	GWMON	GWMON	3.11
LAB:	NET	IT	NET	IT	IT
WELL OR BORING NUMBER:	2128	2128	2128	2128	2128
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-SEP-90	06-JUN-90	06-JUN-90	06-JUN-90	07-DEC-91
NORTH COORDINATE:	473552.11	473552.11	473552.11	473552.11	473552.11
EAST COORDINATE:	1379795.75	1379795.75	1379795.75	1379795.75	1379795.75
QA TYPE:	NORMAL	NORMAL	NORMAL	DUPLICATE	NORMAL
QC OF:				EMGW_SYSGEN_778	
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	318 MG/L		NV												
CHLORIDE	20 MG/L		NV				21 MG/L		NV						
FLUORIDE	1.85 MG/L		NV												
NITRATE, AS NITROGEN	1.95 MG/L		NV				1.45 MG/L		NV						
PH	7.11 SU		NV												
PHENOLS	.011 MG/L		NV												
SPECIFIC CONDUCTIVITY	756 UMHOS/CM		NV												
SULFATE	72 MG/L		NV				86 MG/L		NV						
TOTAL DISSOLVED SOLIDS	475 MG/L		NV												
TOTAL ORGANIC CARBON	14 MG/L		NV				57 MG/L		NV						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.01 MG/L		UNV						
INORGANICS															
ALUMINUM													.105 MG/L		-
ARSENIC													.002 MG/L		U
BARIUM													.0422 MG/L		-
CADMIUM													.0052 MG/L		-
CALCIUM													102 MG/L		-
CHROMIUM													.0281 MG/L		-
COPPER													.0111 MG/L		-
IRON													.0288 MG/L		-
LEAD													.002 MG/L		U
MAGNESIUM													26.1 MG/L		-
MANGANESE													.0117 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.01 MG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_779			EMGW_SYSGEN_778			EMGW_SYSGEN_778			EMGW_SYSGEN_778D			068442		
LAB:	NET			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL													.02 MG/L		U
POTASSIUM													1.88 MG/L		-
SELENIUM													.002 MG/L		U
SILICON													5.23 MG/L		-
SILVER													.0258 MG/L		-
SODIUM													17.8 MG/L		-
VANADIUM													.0149 MG/L		-
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				.372 PCI/L		NV				.23 PCI/L		UNV	1.88 PCI/L	.71	-
URANIUM, TOTAL				1.14 UG/L		NV				.79 UG/L		UNV	5.86 UG/L	.62	-
URANIUM-234				.678 PCI/L		NV				.291 PCI/L		NV	1.82 PCI/L	.7	-
THORIUM-230				.312 PCI/L		NV				.72 PCI/L		NV	1 PCI/L		U
RADIUM-226				1 PCI/L		UNV				1 PCI/L		UNV	1 PCI/L		U
URANIUM-235/236				.2 PCI/L		UNV				.23 PCI/L		UNV	1 PCI/L		U
THORIUM-232				.2 PCI/L		UNV				.36 PCI/L		UNV	1 PCI/L		U
THORIUM, TOTAL				1.8 UG/L		UNV				3.2 UG/L		UNV	3.3 UG/L		U
RADIUM-228				3 PCI/L		UNV				3 PCI/L		UNV	3 PCI/L		UJ
THORIUM-228				.505 PCI/L		NV				.88 PCI/L		NV	1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1.1 PCI/L		U
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		UJ
RUTHENIUM-106													150 PCI/L		U
CESIUM-137													20 PCI/L		U
GROSS ALPHA				106 PCI/L		NV				.0755 PCI/L		NV	3 PCI/L		UNV
GROSS BETA				77 PCI/L		NV				.0392 PCI/L		NV	5.55 PCI/L	2.33	NV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	60 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_779			EMGW_SYSGEN_778			EMGW_SYSGEN_778			EMGW_SYSGEN_778D			068442		
LAB:	NET			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				1 UG/L		UNV						
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV						
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV						
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV						
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV						
ACETONE	2 UG/L		UNV				2 UG/L		UNV						
BENZENE	1 UG/L		UNV				1 UG/L		UNV						
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV						
BROMOMETHANE	1 UG/L		UNV				10 UG/L		UNV						
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV						
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV						
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV						
CHLOROMETHANE	1 UG/L		UNV				10 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV						
METHYLENE CHLORIDE	1 UG/L		UNV				5 UG/L		UNV						
STYRENE	1 UG/L		UNV				1 UG/L		UNV						
TETRACHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
TOLUENE	1 UG/L		UNV				1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
VINYL ACETATE	2 UG/L		UNV				2 UG/L		UNV						
VINYL CHLORIDE	1 UG/L		UNV				10 UG/L		UNV						
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068442	EMGW_SYSGEN_781	EMGW_SYSGEN_781	GW930908-4	GW930908-4
TASK:	3.11	GWMON	GWMON	RCRA	RCRA
LAB:	IT	IT	NET	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	2128	2128	2128	2128	2128
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-DEC-91	07-MAR-91	07-MAR-91	08-SEP-93	08-SEP-93
NORTH COORDINATE:	473552.11	473552.11	473552.11	473552.11	473552.11
EAST COORDINATE:	1379795.75	1379795.75	1379795.75	1379795.75	1379795.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							339 MG/L		NV						
AMMONIA	.1 MG/L		U				.1 MG/L		NV						
CHLORIDE	25.2 MG/L		-				21 MG/L		NV						
FLUORIDE	.239 MG/L		-				.19 MG/L		NV						
NITRATE	2.54 MG/L		-				2.29 MG/L		NV						
NITRATE, AS NITROGEN							2.29 MG/L		NV						
PH	.01 MG/L		U				7.17 SU		NV				3.1 MG/L		-
PHENOLS	.01 MG/L		U				.005 MG/L		UNV						
PHOSPHORUS	.19 MG/L		-				3.41 MG/L		NV				3.1 MG/L		-
SPECIFIC CONDUCTIVITY							754 UMHOS/CM		NV						
SULFATE	67 MG/L		J				99 MG/L		NV						
SULFIDE	.5 MG/L		U												
TOTAL DISSOLVED SOLIDS							482 MG/L		NV						
TOTAL ORGANIC CARBON	1 MG/L		U				26 MG/L		NV						
TOTAL ORGANIC HALIDES	.01 MG/L		UJ												
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
INORGANICS															
ALUMINUM							13.5 MG/L		NV	.0449 MG/L		U	13.4 MG/L		-
ANTIMONY							.025 MG/L		UNV	.045 MG/L		U	.045 MG/L		U
ARSENIC							.053 MG/L		NV	.001 MG/L		U	.0039 MG/L		U
BARIUM							.232 MG/L		NV	.0456 MG/L		-	.253 MG/L		-
BERYLLIUM							.01 MG/L		UNV	.001 MG/L		U	.0019 MG/L		U
CADMIUM							.001 MG/L		UNV	.003 MG/L		U	.003 MG/L		U
CALCIUM							458 MG/L		NV	101 MG/L		-	411 MG/L		-

SAMPLE NUMBER:	068442			EMGW_SYSGEN_781			EMGW_SYSGEN_781			GW930908-4			GW930908-4		
LAB:	IT			IT			NET			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM							.133 MG/L		NV	.004 MG/L		U	.0292 MG/L		U
COBALT							.025 MG/L		UNV	.006 MG/L		U	.021 MG/L		U
COPPER							.067 MG/L		NV	.004 MG/L		U	.0658 MG/L		-
CYANIDE							.005 MG/L		UNV						
IRON							100 MG/L		NV	.0535 MG/L		U	76.8 MG/L		-
LEAD							.005 MG/L		UNV	.001 MG/L		U	.0325 MG/L		-
MAGNESIUM							113 MG/L		NV	27.2 MG/L		-	131 MG/L		-
MANGANESE							5.39 MG/L		NV	.0795 MG/L		-	4.09 MG/L		-
MERCURY							.0002 MG/L		UNV	.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM							.025 MG/L		UNV						
NICKEL							.073 MG/L		NV	.019 MG/L		U	.0331 MG/L		-
POTASSIUM							6.6 MG/L		NV	1.34 MG/L		-	3.5 MG/L		-
SELENIUM							.0025 MG/L		UNV	.001 MG/L		UJ	.01 MG/L		U
SILVER							.001 MG/L		UNV	.003 MG/L		U	.003 MG/L		U
SODIUM							26.5 MG/L		NV	39.8 MG/L		J	34.2 MG/L		-
THALLIUM							.01 MG/L		UNV	.001 MG/L		U	.001 MG/L		U
VANADIUM							.05 MG/L		UNV	.004 MG/L		U	.0392 MG/L		-
ZINC							.154 MG/L		NV	.006 MG/L		U	.137 MG/L		-
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238				2.98 PCI/L		NV									
URANIUM, TOTAL				8.04 UG/L		NV									
URANIUM-234				3.39 PCI/L		NV									
THORIUM-230				.527 PCI/L		NV									
RADIUM-226				1.02 PCI/L		NV									
URANIUM-235/236				.25 PCI/L		UNV									
THORIUM-232				.34 PCI/L		UNV									
THORIUM, TOTAL				3 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				.402 PCI/L		NV									
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
TECHNETIUM-99				24 PCI/L		UNV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				8.8 PCI/L		UNV									
GROSS ALPHA				19.3 PCI/L		NV									

SAMPLE NUMBER:	068442			EMGW_SYSGEN_781			EMGW_SYSGEN_781			GW930908-4			GW930908-4		
LAB:	IT			IT			NET			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
GROSS BETA				23.6 PCI/L		NV									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV				10 UG/L		U
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV				10 UG/L		U
1,1,2-TRICHLOROETHANE							1 UG/L		UNV				10 UG/L		U
1,1-DICHLOROETHANE							1 UG/L		UNV				10 UG/L		U
1,1-DICHLOROETHENE							1 UG/L		UNV				10 UG/L		U
1,2-DICHLOROETHANE							1 UG/L		UNV				10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV				10 UG/L		U
1,2-DICHLOROPROPANE							1 UG/L		UNV				10 UG/L		U
2-BUTANONE							2 UG/L		UNV				10 UG/L		U
2-HEXANONE							2 UG/L		UNV				10 UG/L		U
4-METHYL-2-PENTANONE							2 UG/L		UNV				10 UG/L		U
ACETONE							12.3 UG/L		NV				10 UG/L		UJ
BENZENE							1 UG/L		UNV				10 UG/L		U
BROMODICHLOROMETHANE							1 UG/L		UNV				10 UG/L		U
BROMOFORM							1 UG/L		UNV				10 UG/L		U
BROMOMETHANE							1 UG/L		UNV				10 UG/L		U
CARBON DISULFIDE							1 UG/L		UNV				10 UG/L		U
CARBON TETRACHLORIDE							1 UG/L		UNV				10 UG/L		U
CHLOROBENZENE							1 UG/L		UNV				10 UG/L		U
CHLOROETHANE							1 UG/L		UNV				10 UG/L		U
CHLOROFORM							1 UG/L		UNV				10 UG/L		U
CHLOROMETHANE							1 UG/L		UNV				10 UG/L		U
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV				10 UG/L		U
DIBROMOCHLOROMETHANE							1 UG/L		UNV				10 UG/L		U
ETHYLBENZENE							1 UG/L		UNV				10 UG/L		U
METHYLENE CHLORIDE							1 UG/L		UNV				10 UG/L		U
STYRENE							1 UG/L		UNV				10 UG/L		U
TETRACHLOROETHENE							1 UG/L		UNV				10 UG/L		U
TOLUENE							1 UG/L		UNV				10 UG/L		U
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV				10 UG/L		U
TRICHLOROETHENE							1 UG/L		UNV				10 UG/L		U
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV				10 UG/L		U
XYLENES, TOTAL							1 UG/L		UNV				10 UG/L		U

SAMPLE NUMBER:	GW930908-4	EMGW_SYSGEN_782	EMGW_SYSGEN_782D	EMGW_SYSGEN_785	EMGW_SYSGEN_785
TASK:	RCRA	GWMON	GWMON	GWMON	GWMON
LAB:	FERMCO	WMCO	WMCO	NET	NET
WELL OR BORING NUMBER:	2128	2128	2128	2128	2128
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-SEP-93	12-AUG-91	12-AUG-91	12-MAR-92	12-MAR-92
NORTH COORDINATE:	473552.11	473552.11	473552.11	473552.11	473552.11
EAST COORDINATE:	1379795.75	1379795.75	1379795.75	1379795.75	1379795.75
QA TYPE:	NORMAL	NORMAL	DUPLICATE	NORMAL	NORMAL
QC OF:			EMGW_SYSGEN_782		
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													322 MG/L		NV
AMMONIA													.03 MG/L		NV
CHLORIDE													26 MG/L		NV
FLUORIDE													.21 MG/L		NV
NITRATE, AS NITROGEN													.5 MG/L		NV
PH													7.18 SU		NV
PHOSPHORUS													6.22 MG/L		NV
SPECIFIC CONDUCTIVITY													854 UMHOS/CM		NV
SULFATE													74 MG/L		NV
TOTAL DISSOLVED SOLIDS													480 MG/L		NV
TOTAL ORGANIC CARBON													35 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
INORGANICS															
ALUMINUM										.2 MG/L		UNV			
ANTIMONY										.02 MG/L		UNV			
ARSENIC										.005 MG/L		UNV			
BARIUM										.2 MG/L		UNV			
BERYLLIUM										.005 MG/L		UNV			
CADMIUM										.001 MG/L		UNV			
CALCIUM										118 MG/L		NV			
CHROMIUM													.002 MG/L		UNV
COBALT										.005 MG/L		UNV			
COPPER										.02 MG/L		UNV			
IRON										.1 MG/L		UNV			
LEAD										.003 MG/L		UNV			

SAMPLE NUMBER:	GW930908-4			EMGW_SYSGEN_782			EMGW_SYSGEN_782D			EMGW_SYSGEN_785			EMGW_SYSGEN_785		
LAB:	FERMCO			WMCO			WMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MAGNESIUM										31.5 MG/L		NV			
MANGANESE										.031 MG/L		NV			
MERCURY										.0002 MG/L		UNV			
MOLYBDENUM										.01 MG/L		UNV			
NICKEL										.01 MG/L		UNV			
POTASSIUM										2 MG/L		NV			
SELENIUM										.005 MG/L		UNV			
SILVER										.001 MG/L		UNV			
SODIUM										26.1 MG/L		NV			
THALLIUM										.01 MG/L		UNV			
VANADIUM										.05 MG/L		UNV			
ZINC										.02 MG/L		UNV			
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM, TOTAL	4.6 UG/L		NV	8.9 UG/L		NV	8.3 UG/L		NV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV

000343

6417

SAMPLE NUMBER:	GW930908-4			EMGW_SYSGEN_782			EMGW_SYSGEN_782D			EMGW_SYSGEN_785			EMGW_SYSGEN_785		
LAB:	FERMCO			WMCO			WMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_785	068407	068408	GW930513-16	GW930513-16
TASK:	GWMON	3.11	3.11	50.03.23	50.03.23
LAB:	WMCO	IT	WEMCO	CORE	CORE
WELL OR BORING NUMBER:	2128	2128	2128	2128	2128
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-MAR-92	12-NOV-91	12-NOV-91	13-MAY-93	13-MAY-93
NORTH COORDINATE:	473552.11	473552.11	473552.11	473552.11	473552.11
EAST COORDINATE:	1379795.75	1379795.75	1379795.75	1379795.75	1379795.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238				1.76 PCI/L	.42	-				2 PCI/L	.6	-	1.9 PCI/L	.1	J
URANIUM, TOTAL	14.6 UG/L		NV	5.13 UG/L	.54	-	6.8 UG/L		NV	6.7 UG/L	.5	-	1.2 UG/L	.1	J
URANIUM-234				1.76 PCI/L	.45	-				1.8 PCI/L	.6	-	1.8 PCI/L	.3	J
THORIUM-230										.3 PCI/L	.1	UJ	.6 PCI/L	.2	UJ
RADIUM-226				1 PCI/L		UJ				.2 PCI/L	.1	R	1.4 PCI/L	.3	-
URANIUM-235/236				1 PCI/L		U				.2 PCI/L	.8	U	.2 PCI/L	.5	UJ
THORIUM-232										.3 PCI/L	.2	UJ	.5 PCI/L	.1	UJ
RADIUM-228				3 PCI/L		UJ				3 PCI/L	1.1	U	3 PCI/L	1	U
THORIUM-228										.2 PCI/L	.1	UJ	.5 PCI/L	.3	J
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		UJ				20.5 PCI/L	8.2	J	20.5 PCI/L	8.2	J
RUTHENIUM-106				150 PCI/L		U									
CESIUM-137				20 PCI/L		U									
GROSS ALPHA										7.3 PCI/L	2.7	NV	22.2 PCI/L	13.5	UNV
GROSS BETA										7.7 PCI/L	2.9	NV	47.8 PCI/L	11.7	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930513-16	GW930513-16	GW930513-16	GW930513-16	GW930513-16
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	FERMCO	FERMCO	LOCKHEED	LOCKHEED	LOCKHEED
WELL OR BORING NUMBER:	2128	2128	2128	2128	2128
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-MAY-93	13-MAY-93	13-MAY-93	13-MAY-93	13-MAY-93
NORTH COORDINATE:	473552.11	473552.11	473552.11	473552.11	473552.11
EAST COORDINATE:	1379795.75	1379795.75	1379795.75	1379795.75	1379795.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	RE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										350 MG/L		-			
AMMONIA										.085 MG/L		-			
BICARBONATE ALKALINITY										350 MG/L		-			
CARBONATE ALKALINITY										30 MG/L		U			
CHLORIDE										20 MG/L		-			
FLUORIDE										.26 MG/L		-			
NITRATE/NITRITE										.36 MG/L		-			
PH										7.3 SU		-			
PHENOLS										.15 MG/L		U			
PHOSPHORUS										2.4 MG/L		-			
SPECIFIC CONDUCTIVITY										810 UMHOS/CM		-			
SULFATE										71 MG/L		-			
TOTAL DISSOLVED SOLIDS							470 MG/L		-						
TOTAL ORGANIC CARBON										3.9 MG/L		-			
TOTAL ORGANIC HALIDES										.045 MG/L		U			
TOTAL ORGANIC NITROGEN										1.28 MG/L		-			
TOTAL SOLIDS										1600 MG/L		-			
INORGANICS															
ALUMINUM							.024 MG/L		U	9.45 MG/L		-			
ANTIMONY							.027 MG/L		U	.027 MG/L		U			
ARSENIC							.0028 MG/L		-	.0047 MG/L		J			
BARIUM							.0371 MG/L		-	.164 MG/L		-			
BERYLLIUM							.001 MG/L		U	.0015 MG/L		-			
CADMIUM							.002 MG/L		U	.002 MG/L		U			
CALCIUM							101 MG/L		-	306 MG/L		-			

SAMPLE NUMBER:	GW930513-16			GW930513-16			GW930513-16			GW930513-16			GW930513-16		
LAB:	FERMCO			FERMCO			LOCKHEED			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			RE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM							.004 MG/L		U	.0212 MG/L		U			
COBALT							.005 MG/L		U	.0053 MG/L		-			
COPPER							.003 MG/L		U	.0369 MG/L		U			
CYANIDE							.02 MG/L		UJ	.02 MG/L		UJ			
IRON							.0441 MG/L		-	48.9 MG/L		-			
LEAD							.002 MG/L		UJ	.0152 MG/L		U			
MAGNESIUM							25.4 MG/L		-	93.8 MG/L		-			
MANGANESE							.0077 MG/L		-	2.41 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
MOLYBDENUM							.011 MG/L		U	.0124 MG/L		-			
NICKEL							.011 MG/L		U	.0229 MG/L		-			
POTASSIUM							1 MG/L		U	3.85 MG/L		-			
SELENIUM							.001 MG/L		UJ	.0022 MG/L		J			
SILVER							.004 MG/L		U	.004 MG/L		U			
SODIUM							27 MG/L		-	29.7 MG/L		-			
THALLIUM							.003 MG/L		U	.003 MG/L		U			
VANADIUM							.004 MG/L		U	.0134 MG/L		-			
ZINC							.003 MG/L		U	.0888 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL	4.3 UG/L		NV	6.8 UG/L		NV									
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		UJ
BENZENE													10 UG/L		UJ
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U

SAMPLE NUMBER:	GW930513-16			GW930513-16			GW930513-16			GW930513-16			GW930513-16		
LAB:	FERMCO			FERMCO			LOCKHEED			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			RE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		UJ
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		UJ
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		UJ
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		UJ
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068523	068322	068323	068572	067965
TASK:	3.11	3.11	3.11	3.11	3.11
LAB:	IT/RSL	IT/RSL	WEMCO	IT	IT
WELL OR BORING NUMBER:	2128	2128	2128	2128	2128
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-JAN-92	17-OCT-91	17-OCT-91	18-FEB-92	19-MAR-91
NORTH COORDINATE:	473552.11	473552.11	473552.11	473552.11	473552.11
EAST COORDINATE:	1379795.75	1379795.75	1379795.75	1379795.75	1379795.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-FIL	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM													.071 MG/L		-
ARSENIC													.0096 MG/L		-
BARIUM													.04 MG/L		-
CADMIUM													.0047 MG/L		-
CALCIUM													98.6 MG/L		-
CHROMIUM													.023 MG/L		-
COPPER													.01 MG/L		U
IRON													.025 MG/L		-
LEAD													.002 MG/L		U
MAGNESIUM													27.1 MG/L		-
MANGANESE													.016 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.01 MG/L		U
NICKEL													.02 MG/L		U
POTASSIUM													3.44 MG/L		-
SELENIUM													.002 MG/L		UJ
SILICON													6.55 MG/L		-
SILVER													.025 MG/L		-
SODIUM													38 MG/L		-
VANADIUM													.011 MG/L		-
RADIONUCLIDES															
URANIUM-238	2.77 PCI/L	.7	-	1.55 PCI/L	.41	-				2.73 PCI/L	.76	-	1 PCI/L		U
URANIUM, TOTAL	6.12 UG/L	.85	-	5.33 UG/L	.59	-	4.7 UG/L		NV	5.79 UG/L	.7	-	3.21 UG/L	.33	J
URANIUM-234	2.7 PCI/L	.69	-	2.12 PCI/L	.55	-				2.65 PCI/L	.77	-	1.23 PCI/L	.34	-
THORIUM-230	1 PCI/L		U	1 PCI/L		U				1 PCI/L		U	1 PCI/L		U

SAMPLE NUMBER:	068523			068322			068323			068572			067965		
LAB:	IT/RSL			IT/RSL			WEMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
RADIUM-226	1 PCI/L		UJ	1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
URANIUM-235/236	1 PCI/L		U	1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
THORIUM-232	1 PCI/L		U	1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
THORIUM, TOTAL	2.2 UG/L		U	2.2 UG/L		U				3.6 UG/L		U	1.8 UG/L		U
RADIUM-228	3.1 PCI/L		U	3 PCI/L		U				3 PCI/L		U	3 PCI/L		U
THORIUM-228	1 PCI/L		U	1 PCI/L		U				1 PCI/L		U	2.31 PCI/L	.48	J
NEPTUNIUM-237	1 PCI/L		UJ							1 PCI/L		UJ	1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		U	1 PCI/L		UJ				1 PCI/L		R	1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U	1 PCI/L		UJ				1 PCI/L		R	1 PCI/L		U
STRONTIUM-90	5 PCI/L		U	5 PCI/L		U				5 PCI/L		U	5 PCI/L		U
TECHNETIUM-99	30 PCI/L		UJ	30 PCI/L		UJ				30 PCI/L		UJ	30 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		UJ	150 PCI/L		U				150 PCI/L		R	150 PCI/L		U
CESIUM-137	20 PCI/L		UJ	20 PCI/L		U				20 PCI/L		R	20 PCI/L		U
GROSS ALPHA										4.3 PCI/L		UNV			
GROSS BETA										6.62 PCI/L	3.13	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	067965			GW930922-13			GW930922-13			GW930922-13			004181		
TASK:	3.11			DMEPP			DMEPP			DMEPP			3.2.4		
LAB:	IT			DATACHEM			DATACHEM			FERMCO			IT		
WELL OR BORING NUMBER:	2128			2128			2128			2128			2128		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-MAR-91			22-SEP-93			22-SEP-93			22-SEP-93			23-JAN-90		
NORTH COORDINATE:	473552.11			473552.11			473552.11			473552.11			473552.11		
EAST COORDINATE:	1379795.75			1379795.75			1379795.75			1379795.75			1379795.75		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.062 MG/L		-												
CHLORIDE	20.4 MG/L		-												
FLUORIDE	.19 MG/L		-												
NITRATE	2.06 MG/L		-												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	2.9 MG/L		-				4.9 MG/L		-						
SULFATE	58.1 MG/L		-												
SULFIDE	.5 MG/L		U												
TOTAL ORGANIC CARBON	3.41 MG/L		-												
TOTAL ORGANIC HALIDES	.01 MG/L		UJ												
TOTAL ORGANIC NITROGEN	.24 MG/L		-												
INORGANICS															
ALUMINUM													.152 MG/L		U
ARSENIC				.006 MG/L		U	.1 MG/L		-				.002 MG/L		U
BARIUM													.051 MG/L		-
CADMIUM													.002 MG/L		U
CALCIUM													112 MG/L		-
CHROMIUM													.026 MG/L		-
COPPER													.01 MG/L		U
IRON													.065 MG/L		U
LEAD													.002 MG/L		U
MAGNESIUM													27.7 MG/L		-
MANGANESE													.04 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.01 MG/L		U

SAMPLE NUMBER:	067965			GW930922-13			GW930922-13			GW930922-13			004181		
LAB:	IT			DATACHEM			DATACHEM			FERMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL													.02 MG/L		U
POTASSIUM				5 MG/L		U	18 MG/L		-				1.74 MG/L		J
SELENIUM													.002 MG/L		UJ
SILICON													5.43 MG/L		-
SILVER													.01 MG/L		U
SODIUM				38 MG/L		-	34 MG/L		-				26.6 MG/L		-
VANADIUM													.016 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL										3.6 UG/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004181	068249	068249	068250	068105
TASK:	3.2.4	3.11	3.11	3.11	3.11
LAB:	IT	IT	IT	WEMCO	IT
WELL OR BORING NUMBER:	2128	2128	2128	2128	2128
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-JAN-90	23-SEP-91	23-SEP-91	23-SEP-91	25-JUN-91
NORTH COORDINATE:	473552.11	473552.11	473552.11	473552.11	473552.11
EAST COORDINATE:	1379795.75	1379795.75	1379795.75	1379795.75	1379795.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U				.1 MG/L		-						
CHLORIDE	25.2 MG/L		-				18 MG/L		-						
FLUORIDE	.28 MG/L		-				.2 MG/L		-						
NITRATE	1.76 MG/L		-				3.5 MG/L		J						
PHENOLS	.013 MG/L		-				.01 MG/L		U						
PHOSPHORUS	.13 MG/L		-				.16 MG/L		-						
SULFATE	65.9 MG/L		J				63 MG/L		-						
SULFIDE	.5 MG/L		U				35 MG/L		-						
TOTAL KJELDAHL NITROGEN	.1 MG/L		U												
TOTAL ORGANIC CARBON	1.84 MG/L		U				1 MG/L		U						
TOTAL ORGANIC HALIDES	.061 MG/L		J				.01 MG/L		UJ						
TOTAL ORGANIC NITROGEN	.1 MG/L		U				.2 MG/L		-						
INORGANICS															
ALUMINUM				.04 MG/L		U							.098 MG/L		-
ANTIMONY				.03 MG/L		U									
ARSENIC				.002 MG/L		U							.002 MG/L		U
BARIUM				.0409 MG/L		-							.044 MG/L		R
BERYLLIUM				.001 MG/L		U									
CADMIUM				.005 MG/L		U							.004 MG/L		-
CALCIUM				98.7 MG/L		-							104 MG/L		-
CHROMIUM				.01 MG/L		U							.025 MG/L		-
COBALT				.02 MG/L		U									
COPPER				.0341 MG/L		-							.013 MG/L		-
IRON				.0274 MG/L		-							.029 MG/L		-
LEAD				.002 MG/L		U							.0136 MG/L		-

SAMPLE NUMBER:	004181			068249			068249			068250			068105		
LAB:	IT			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MAGNESIUM				23.5 MG/L		-							26.6 MG/L		-
MANGANESE				.0042 MG/L		-							.008 MG/L		-
MERCURY				.0002 MG/L		U							.0002 MG/L		U
MOLYBDENUM				.01 MG/L		U							.01 MG/L		U
NICKEL				.02 MG/L		U							.02 MG/L		U
POTASSIUM				2.13 MG/L		U							2.09 MG/L		-
SELENIUM				.002 MG/L		UJ							.002 MG/L		U
SILICON				5.04 MG/L		-							4.97 MG/L		-
SILVER				.005 MG/L		U							.024 MG/L		-
SODIUM				20.4 MG/L		-							18.4 MG/L		-
THALLIUM				.002 MG/L		U									
VANADIUM				.01 MG/L		U							.013 MG/L		-
ZINC				.0349 MG/L		U									
RADIONUCLIDES															
URANIUM-238	1.9 PCI/L	.41	-	4.13 PCI/L	.64	NV							2.12 PCI/L	.49	J
URANIUM, TOTAL	7.96 UG/L	.84	-	5.08 UG/L	.77	NV				4.5 UG/L		NV	6.86 UG/L	.74	J
URANIUM-234	2.06 PCI/L	.43	-	5.93 PCI/L	.85	NV							4.76 PCI/L	.84	-
THORIUM-230	1.32 PCI/L	.38	J										1 PCI/L		R
RADIUM-226	1 PCI/L		U	1 PCI/L		UNV							1 PCI/L		R
URANIUM-235/236	1 PCI/L		U	1 PCI/L		NV							1 PCI/L		U
THORIUM-232	1 PCI/L		U										1 PCI/L		R
THORIUM, TOTAL	2.2 UG/L		U										6.1 UG/L		R
RADIUM-228	3 PCI/L		U	3 PCI/L		UNV							3 PCI/L		U
THORIUM-228	1 PCI/L		U										1.15 PCI/L	.73	R
NEPTUNIUM-237	1 PCI/L		U	1 PCI/L		NV									
PLUTONIUM-239/240	1 PCI/L		U										1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U										1 PCI/L		U
STRONTIUM-90	17.4 PCI/L	2.4	-	5 PCI/L		NV							5 PCI/L		U
TECHNETIUM-99	30 PCI/L		U	30 PCI/L		NV							30 PCI/L		U
RUTHENIUM-106	150 PCI/L		R	150 PCI/L		UNV							150 PCI/L		U
CESIUM-137	20 PCI/L		R	20 PCI/L		NV							20 PCI/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068105	068106	068167	EMGW_SYSGEN_780	EMGW_SYSGEN_780
TASK:	3.11	3.11	3.11	GWMON	GWMON
LAB:	IT	WEMCO	IT	IT	NET
WELL OR BORING NUMBER:	2128	2128	2128	2128	2128
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-JUN-91	25-JUN-91	26-JUL-91	26-NOV-90	26-NOV-90
NORTH COORDINATE:	473552.11	473552.11	473552.11	473552.11	473552.11
EAST COORDINATE:	1379795.75	1379795.75	1379795.75	1379795.75	1379795.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													329 MG/L		NV
AMMONIA	.1 MG/L		U										.31 MG/L		NV
CHLORIDE	21.4 MG/L		-										18 MG/L		NV
FLUORIDE	.38 MG/L		-										.21 MG/L		NV
NITRATE	397 MG/L		R										1.58 MG/L		NV
NITRATE/NITRITE													1.58 MG/L		NV
PH	.01 MG/L		UJ										7.04 SU		NV
PHENOLS	.01 MG/L		UJ										.005 MG/L		UNV
PHOSPHORUS	.836 MG/L		-										.17 MG/L		NV
SPECIFIC CONDUCTIVITY													595 UMHOS/CM		NV
SULFATE	.38 MG/L		R										58 MG/L		NV
SULFIDE	.5 MG/L		U												
TOTAL DISSOLVED SOLIDS													504 MG/L		NV
TOTAL ORGANIC CARBON	2.6 MG/L		U										11 MG/L		NV
TOTAL ORGANIC HALIDES	.01 MG/L		R												
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN	.16 MG/L		-												
INORGANICS															
CYANIDE													.005 MG/L		UNV
MISC															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV

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RADIONUCLIDES
URANIUM-238
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

DRAFT

							2.07 PCI/L	.39	NV	4.12 PCI/L		NV		
SAMPLE NUMBER:	068105			068106			068167			EMGW_SYSGEN_780			EMGW_SYSGEN_780		
LAB:	IT			WEMCO			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL				6.4 UG/L		NV	5.45 UG/L	.57	NV	7.53 UG/L		NV			
URANIUM-234							1.96 PCI/L	.38	NV	3.87 PCI/L		NV			
THORIUM-230							1 PCI/L		NV						
RADIUM-226							1 PCI/L		UNV	1 PCI/L		UNV			
URANIUM-235/236							1 PCI/L		NV	.26 PCI/L		UNV			
THORIUM-232							1 PCI/L		NV						
THORIUM, TOTAL							4 UG/L		NV						
RADIUM-228							3 PCI/L		UNV	3 PCI/L		UNV			
THORIUM-228							2.63 PCI/L	.75	NV						
NEPTUNIUM-237							1 PCI/L		NV						
PLUTONIUM-239/240							1 PCI/L		NV						
PLUTONIUM-238							1 PCI/L		NV						
STRONTIUM-90							5 PCI/L		NV						
TECHNETIUM-99							30 PCI/L		NV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							20 PCI/L		NV						
GROSS ALPHA										81.1 PCI/L		NV			
GROSS BETA										102 PCI/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV

SAMPLE NUMBER:	068105			068106			068167			EMGW_SYSGEN_780			EMGW_SYSGEN_780		
LAB:	IT			WEMCO			IT			IT			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068037	068038	004182	004182	004182
TASK:	3.11	3.11	3.2.4	3.2.4	3.2.4
LAB:	IT	WEMCO	IT	IT	IT
WELL OR BORING NUMBER:	2128	2128	2129	2129	2129
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-MAY-91	29-MAY-91	01-FEB-90	01-FEB-90	01-FEB-90
NORTH COORDINATE:	473552.11	473552.11	472632.99	472632.99	472632.99
EAST COORDINATE:	1379795.75	1379795.75	1379884.49	1379884.49	1379884.49
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-FIL	DL-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													.37 MG/L		-
CHLORIDE													28.8 MG/L		-
FLUORIDE													.05 MG/L		U
NITRATE													2.76 MG/L		J
PHENOLS													.021 MG/L		J
PHOSPHORUS													27.2 MG/L		J
SULFATE													117 MG/L		-
SULFIDE													.629 MG/L		-
TOTAL KJELDAHL NITROGEN													2.14 MG/L		-
TOTAL ORGANIC CARBON													8.27 MG/L		-
TOTAL ORGANIC HALIDES													.01 MG/L		UJ
TOTAL ORGANIC NITROGEN													1.77 MG/L		-
INORGANICS															
ALUMINUM							.436 MG/L		-						
ANTIMONY							.03 MG/L		U						
ARSENIC							.0518 MG/L		J						
BARIUM							.0442 MG/L		-						
BERYLLIUM							.0013 MG/L		U						
CADMIUM							.0027 MG/L		-						
CALCIUM							82.1 MG/L		-						
CHROMIUM							.0244 MG/L		J						
COBALT							.01 MG/L		U						
COPPER							.0193 MG/L		-						
CYANIDE													.005 MG/L		U
IRON							.66 MG/L		-						

SAMPLE NUMBER:	068037			068038			004182			004182			004182		
LAB:	IT			WEMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			DL-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD							.004 MG/L		-						
MAGNESIUM							34.1 MG/L		-						
MANGANESE							.0248 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.0125 MG/L		-						
NICKEL							.02 MG/L		U						
POTASSIUM							32.8 MG/L		R						
SELENIUM							.0037 MG/L		J						
SILICON							7540 MG/L		-						
SILVER							.01 MG/L		U						
SODIUM							88.8 MG/L		-						
THALLIUM							.002 MG/L		UJ						
VANADIUM							.0137 MG/L		-						
ZINC							.0316 MG/L		-						
PESTICIDES															
4,4'-DDD										.3 UG/L		R	.1 UG/L		U
4,4'-DDE										.3 UG/L		R	.1 UG/L		U
4,4'-DDT										.3 UG/L		R	.1 UG/L		U
ALDRIN										.15 UG/L		R	.05 UG/L		U
ALPHA-BHC										.15 UG/L		R	.05 UG/L		U
ALPHA-CHLORDANE										1.5 UG/L		R	.5 UG/L		U
AROCLOR-1016										1.5 UG/L		R	.5 UG/L		U
AROCLOR-1221										1.5 UG/L		R	.5 UG/L		U
AROCLOR-1232										1.5 UG/L		R	.5 UG/L		U
AROCLOR-1242										1.5 UG/L		R	.5 UG/L		U
AROCLOR-1248										1.5 UG/L		R	.5 UG/L		U
AROCLOR-1254										3 UG/L		R	1 UG/L		U
AROCLOR-1260										3 UG/L		R	1 UG/L		U
BETA-BHC										.15 UG/L		R	.05 UG/L		U
DELTA-BHC										.15 UG/L		R	.05 UG/L		U
DIELDRIN										.3 UG/L		R	.1 UG/L		U
ENDOSULFAN II										.3 UG/L		R	.1 UG/L		U
ENDOSULFAN SULFATE										.3 UG/L		R	.1 UG/L		U
ENDOSULFAN-I										.15 UG/L		R	.05 UG/L		U
ENDRIN										.3 UG/L		R	.1 UG/L		U
ENDRIN KETONE										.3 UG/L		R	.1 UG/L		U
GAMMA-BHC (LINDANE)										.15 UG/L		R	.05 UG/L		U
GAMMA-CHLORDANE										1.5 UG/L		R	.5 UG/L		U
HEPTACHLOR										.15 UG/L		R	.05 UG/L		U
HEPTACHLOR EPOXIDE										.15 UG/L		R	.05 UG/L		U

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SAMPLE NUMBER:	068037			068038			004182			004182			004182		
LAB:	IT			WEMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			DL-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
METHOXYCHLOR										1.5 UG/L		R	.5 UG/L		U
TOXAPHENE										3 UG/L		R	1 UG/L		U
RADIONUCLIDES															
URANIUM-238	1.83 PCI/L	.49	J										2.8 PCI/L	.8	-
URANIUM, TOTAL	5.72 UG/L	.59	-	5.2 UG/L		NV							11.1 UG/L	1.3	-
URANIUM-234	3.31 PCI/L	.69	J										2.4 PCI/L	.7	J
THORIUM-230	1 PCI/L		U										1 PCI/L		U
RADIUM-226	1 PCI/L		U										1.8 PCI/L	.34	R
URANIUM-235/236	1 PCI/L		U										1 PCI/L		U
THORIUM-232	1 PCI/L		U										1.8 PCI/L	.5	-
THORIUM, TOTAL	2.4 UG/L		U										16 UG/L	4	-
RADIUM-228	3 PCI/L		U										3 PCI/L		UJ
THORIUM-228	1 PCI/L		U										2.4 PCI/L	.6	-
NEPTUNIUM-237	1 PCI/L		U										1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		U										1 PCI/L		U
PLUTONIUM-238	1 PCI/L		U										1 PCI/L		U
STRONTIUM-90	5 PCI/L		UJ										5 PCI/L		UJ
TECHNETIUM-99	30 PCI/L		U										30 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		R										150 PCI/L		R
CESIUM-137	20 PCI/L		R										20 PCI/L		R
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													50 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U
2,4-DINITROPHENOL													50 UG/L		U
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													50 UG/L		U
2-NITROPHENOL													10 UG/L		U

SAMPLE NUMBER:	068037			068038			004182			004182			004182		
LAB:	IT			WEMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			DL-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
3,3'-DICHLOROBENZIDINE													20 UG/L		UJ
3-NITROANILINE													50 UG/L		U
4,6-DINITRO-2-METHYLPHENOL													50 UG/L		U
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													50 UG/L		U
4-NITROPHENOL													50 UG/L		U
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		U
BENZOIC ACID													50 UG/L		UJ
BENZYL ALCOHOL													10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		U
BUTYL BENZYL PHTHALATE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													10 UG/L		U
DI-N-OCTYL PHTHALATE													10 UG/L		U
DIBENZO(A,H)ANTHRACENE													10 UG/L		U
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		U
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		U
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U

SAMPLE NUMBER:	068037			068038			004182			004182			004182		
LAB:	IT			WEMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			DL-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													50 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL													10 UG/L		U
PYRENE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE													5 UG/L		UJ
1,1,2,2-TETRACHLOROETHANE													5 UG/L		U
1,1,2-TRICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHENE													5 UG/L		U
1,2-DICHLOROETHANE													5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													5 UG/L		UJ
1,2-DICHLOROPROPANE													5 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		U
BENZENE													5 UG/L		UJ
BROMODICHLOROMETHANE													5 UG/L		UJ
BROMOFORM													5 UG/L		UJ
BROMOMETHANE													10 UG/L		R
CARBON DISULFIDE													5 UG/L		U
CARBON TETRACHLORIDE													5 UG/L		UJ
CHLOROBENZENE													5 UG/L		UJ
CHLOROETHANE													10 UG/L		U
CHLOROFORM													5 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													5 UG/L		U
DIBROMOCHLOROMETHANE													5 UG/L		UJ
ETHYLBENZENE													5 UG/L		UJ
METHYLENE CHLORIDE													5 UG/L		U
STYRENE													5 UG/L		UJ
TETRACHLOROETHENE													5 UG/L		U
TOLUENE													5 UG/L		UJ
TRANS-1,3-DICHLOROPROPENE													5 UG/L		U
TRICHLOROETHENE													5 UG/L		U
VINYL ACETATE													10 UG/L		U

SAMPLE NUMBER:	068037			068038			004182			004182			004182		
LAB:	IT			WEMCO			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			DL-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													5 UG/L		UJ

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_788	EMGW_SYSGEN_788	067998	067998	067998
TASK:	GWMON	GWMON	3.11	3.11	3.11
LAB:	IT	NET	IT	IT	IT/RSL
WELL OR BORING NUMBER:	2129	2129	2129	2129	2129
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-SEP-90	04-SEP-90	06-MAY-91	06-MAY-91	06-MAY-91
NORTH COORDINATE:	472632.99	472632.99	472632.99	472632.99	472632.99
EAST COORDINATE:	1379884.49	1379884.49	1379884.49	1379884.49	1379884.49
QA TYPE:	NORMAL	NORMAL	DUPLICATE	DUPLICATE	DUPLICATE
QC OF:			068000	068000	068000
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				394 MG/L		NV									
AMMONIA										.332 MG/L		J			
CHLORIDE				59 MG/L		NV				61 MG/L		-			
FLUORIDE				.6 MG/L		NV				.1 MG/L		U			
NITRATE				4.39 MG/L		NV				1.79 MG/L		J			
NITRATE, AS NITROGEN				4.39 MG/L		NV									
PH				7.01 SU		NV				.01 MG/L		U			
PHENOLS				.007 MG/L		NV				.01 MG/L		U			
PHOSPHORUS										31.1 MG/L		J			
SPECIFIC CONDUCTIVITY				1040 UMHOS/CM		NV									
SULFATE				97 MG/L		NV				73.8 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL DISSOLVED SOLIDS				970 MG/L		NV									
TOTAL ORGANIC CARBON				16 MG/L		NV				2.72 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										.36 MG/L		J			
INORGANICS															
ALUMINUM							.065 MG/L		-						
ARSENIC							.258 MG/L		J						
BARIUM							.05 MG/L		-						
CADMIUM							.007 MG/L		-						
CALCIUM							68.2 MG/L		-						
CHROMIUM							.019 MG/L		-						
COPPER							.016 MG/L		-						

SAMPLE NUMBER:	EMGW_SYSGEN_788			EMGW_SYSGEN_788			067998			067998			067998		
LAB:	IT			NET			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON							.019 MG/L		-						
LEAD							.002 MG/L		-						
MAGNESIUM							34.6 MG/L		-						
MANGANESE							.08 MG/L		-						
MERCURY										.0002 MG/L		U			
MOLYBDENUM							.018 MG/L		-						
NICKEL							.024 MG/L		-						
POTASSIUM							60.6 MG/L		-						
SELENIUM							.002 MG/L		U						
SILICON							10.4 MG/L		-						
SILVER							.014 MG/L		-						
SODIUM							110.2 MG/L		-						
VANADIUM							.012 MG/L		-						
MISC															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	1.38 PCI/L		NV										1 PCI/L		U
URANIUM, TOTAL	4.16 UG/L		NV										1.18 UG/L	.12	J
URANIUM-234	1.79 PCI/L		NV										1 PCI/L		U
THORIUM-230	.85 PCI/L		UNV										1 PCI/L		U
RADIUM-226	1 PCI/L		UNV										1 PCI/L		UJ
URANIUM-235/236	.2 PCI/L		UNV										1 PCI/L		U
THORIUM-232	.85 PCI/L		UNV										1 PCI/L		U
THORIUM, TOTAL	7.7 UG/L		UNV										5.1 UG/L		U
RADIUM-228	3 PCI/L		UNV										3 PCI/L		UJ
THORIUM-228	1.33 PCI/L		NV										1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		R
PLUTONIUM-238													1 PCI/L		R
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99													30 PCI/L		UJ
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													20 PCI/L		UJ
GROSS ALPHA	51.7 PCI/L		NV												
GROSS BETA	99.6 PCI/L		NV												
SEMIVOLATILES															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_788			EMGW_SYSGEN_788			067998			067998			067998		
LAB:	IT			NET			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROETHANE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1 UG/L		UNV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	067999			068000			068000			068000			EMGW_SYSGEN_790		
TASK:	3.11			3.11			3.11			3.11			GWMON		
LAB:	WEMCO			IT			IT			IT/RSL			IT		
WELL OR BORING NUMBER:	2129			2129			2129			2129			2129		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	06-MAY-91			06-MAY-91			06-MAY-91			06-MAY-91			07-MAR-91		
NORTH COORDINATE:	472632.99			472632.99			472632.99			472632.99			472632.99		
EAST COORDINATE:	1379884.49			1379884.49			1379884.49			1379884.49			1379884.49		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.12 MG/L		J						
CHLORIDE							62.4 MG/L		-						
FLUORIDE							.1 MG/L		U						
NITRATE							1.86 MG/L		J						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							27.6 MG/L		J						
SULFATE							69.2 MG/L		-						
SULFIDE							.5 MG/L		U						
TOTAL ORGANIC CARBON							2.24 MG/L		-						
TOTAL ORGANIC HALIDES							.01 MG/L		U						
TOTAL ORGANIC NITROGEN							.13 MG/L		J						
INORGANICS															
ALUMINUM				.065 MG/L		-									
BARIUM				.054 MG/L		-									
CADMIUM				.007 MG/L		-									
CALCIUM				68 MG/L		-									
CHROMIUM				.033 MG/L		-									
COPPER				.016 MG/L		-									
IRON				.026 MG/L		-									
MAGNESIUM				34.6 MG/L		-									
MANGANESE				.063 MG/L		-									
MERCURY							.0002 MG/L		U						
MOLYBDENUM				.019 MG/L		-									
NICKEL				.025 MG/L		-									
POTASSIUM				62.5 MG/L		-									

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SAMPLE NUMBER:	067999			068000			068000			068000			EMGW_SYSGEN_790		
LAB:	WEMCO			IT			IT			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SILICON				10.3 MG/L		-									
SILVER				.014 MG/L		-									
SODIUM				110 MG/L		-									
VANADIUM				.011 MG/L		-									
RADIONUCLIDES															
URANIUM-238										1.59 PCI/L	.34	J	.316 PCI/L		NV
URANIUM, TOTAL	.3 UG/L		NV							1 UG/L		U	.609 UG/L		NV
URANIUM-234										1.64 PCI/L	.35	J	.247 PCI/L		NV
THORIUM-230										1 PCI/L		U	.457 PCI/L		NV
RADIUM-226										1 PCI/L		U	1 PCI/L		UNV
URANIUM-235/236										1 PCI/L		U	.2 PCI/L		UNV
THORIUM-232										1 PCI/L		U	.23 PCI/L		UNV
THORIUM, TOTAL										3 UG/L		U	2 UG/L		UNV
RADIUM-228										3 PCI/L		U	3 PCI/L		UNV
THORIUM-228										1.1 PCI/L	.4	J	.846 PCI/L		NV
NEPTUNIUM-237										1 PCI/L		U	.5 PCI/L		UNV
PLUTONIUM-239/240										1 PCI/L		R	.5 PCI/L		UNV
PLUTONIUM-238										1 PCI/L		R	.5 PCI/L		UNV
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		UJ	19 PCI/L		UNV
RUTHENIUM-106										150 PCI/L		R	150 PCI/L		UNV
CESIUM-137										20 PCI/L		R	7.6 PCI/L		UNV
GROSS ALPHA													13 PCI/L		UNV
GROSS BETA													52.7 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_790	004193	004193	EMGW_SYSGEN_791	068411
TASK:	GWMON	3.2.4	3.2.4	GWMON	3.11
LAB:	NET	IT	IT	WMCO	IT
WELL OR BORING NUMBER:	2129	2129	2129	2129	2129
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-MAR-91	09-MAY-90	09-MAY-90	12-AUG-91	12-NOV-91
NORTH COORDINATE:	472632.99	472632.99	472632.99	472632.99	472632.99
EAST COORDINATE:	1379884.49	1379884.49	1379884.49	1379884.49	1379884.49
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	453 MG/L		NV												
AMMONIA	.09 MG/L		NV				1.5 MG/L		J						
CHLORIDE	54 MG/L		NV				24.8 MG/L		-						
FLUORIDE	.05 MG/L		UNV				.15 MG/L		-						
NITRATE	1.77 MG/L		NV				2.44 MG/L		J						
NITRATE, AS NITROGEN	1.77 MG/L		NV												
PH	7.01 SU		NV				.011 MG/L		-						
PHENOLS	.01 MG/L		NV				.011 MG/L		-						
PHOSPHORUS	43.8 MG/L		NV				4.08 MG/L		J						
SPECIFIC CONDUCTIVITY	1170 UMHOS/CM		NV												
SULFATE	138 MG/L		NV				108 MG/L		-						
SULFIDE							.5 MG/L		U						
TOTAL DISSOLVED SOLIDS	726 MG/L		NV												
TOTAL ORGANIC CARBON	13 MG/L		NV				250 MG/L		-						
TOTAL ORGANIC HALIDES							.01 MG/L		U						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							1.61 MG/L		-						
INORGANICS															
ALUMINUM	2.56 MG/L		NV	.087 MG/L		-									
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.274 MG/L		NV	.045 MG/L		-									
BARIUM	.2 MG/L		UNV	.037 MG/L		-									
BERYLLIUM	.01 MG/L		UNV												
CADMIUM	.001 MG/L		UNV	.007 MG/L		-									
CALCIUM	110 MG/L		NV	83.2 MG/L		-									

SAMPLE NUMBER:	EMGW_SYSGEN_790			004193			004193			EMGW_SYSGEN_791			068411		
LAB:	NET			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM	.018 MG/L		NV	.017 MG/L		-									
COBALT	.025 MG/L		UNV												
COPPER	.025 MG/L		UNV	.011 MG/L		-									
CYANIDE	.005 MG/L		UNV												
IRON	11.8 MG/L		NV	.016 MG/L		-									
LEAD	.005 MG/L		UNV	.006 MG/L		U									
MAGNESIUM	52 MG/L		NV	31.4 MG/L		-									
MANGANESE	.41 MG/L		NV	.083 MG/L		-									
MERCURY	.0002 MG/L		UNV	.0002 MG/L		U									
MOLYBDENUM	.025 MG/L		UNV	.014 MG/L		-									
NICKEL	.015 MG/L		NV	.025 MG/L		-									
POTASSIUM	72.2 MG/L		NV	29.9 MG/L		-									
SELENIUM	.0025 MG/L		UNV	.002 MG/L		U									
SILICON				7.67 MG/L		-									
SILVER	.001 MG/L		UNV	.018 MG/L		-									
SODIUM	130 MG/L		NV	103 MG/L		-									
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV	.018 MG/L		-									
ZINC	.021 MG/L		NV												
MISC															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1.45 PCI/L	.46	-				1 PCI/L		U
URANIUM, TOTAL							7.83 UG/L	1	-	1.2 UG/L		NV	1 UG/L		U
URANIUM-234							1.34 PCI/L	.44	-				1 PCI/L		U
THORIUM-230							1 PCI/L		U				1 PCI/L		U
RADIUM-226													1 PCI/L		UJ
URANIUM-235/236							1 PCI/L		U				1 PCI/L		U
THORIUM-232							1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL							5.9 UG/L		U				2.68 UG/L	2.01	-
RADIUM-228							3 PCI/L		UJ				3 PCI/L		U
THORIUM-228							1 PCI/L		U				1.06 PCI/L	.41	-
NEPTUNIUM-237							1 PCI/L		UJ				1 PCI/L		UJ
PLUTONIUM-239/240							1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238							1 PCI/L		U				1 PCI/L		U
STRONTIUM-90							5 PCI/L		R				5 PCI/L		U
TECHNETIUM-99							30 PCI/L		U				30 PCI/L		UJ
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_790			004193			004193			EMGW_SYSGEN_791			068411		
LAB:	NET			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
CESIUM-137							20 PCI/L		R				20 PCI/L		U
RADIUM, TOTAL							2.36 PCI/L	.43	NV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	1 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,2-TRICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHANE	1 UG/L		UNV												
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV												
1,2-DICHLOROPROPANE	1 UG/L		UNV												
2-BUTANONE	2 UG/L		UNV												
2-HEXANONE	2 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	2 UG/L		UNV												
BENZENE	1 UG/L		UNV												
BROMODICHLOROMETHANE	1 UG/L		UNV												
BROMOFORM	1 UG/L		UNV												
BROMOMETHANE	1 UG/L		UNV												
CARBON DISULFIDE	1 UG/L		UNV												
CARBON TETRACHLORIDE	1 UG/L		UNV												
CHLOROBENZENE	1 UG/L		UNV												
CHLOROETHANE	1 UG/L		UNV												
CHLOROFORM	1 UG/L		UNV												
CHLOROMETHANE	1 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
DIBROMOCHLOROMETHANE	1 UG/L		UNV												
ETHYLBENZENE	1 UG/L		UNV												
METHYLENE CHLORIDE	1 UG/L		UNV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	1 UG/L		UNV												
TOLUENE	1 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	1 UG/L		UNV												
VINYL ACETATE	2 UG/L		UNV												
VINYL CHLORIDE	1 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_790			004193			004193			EMGW_SYSGEN_791			068411		
LAB:	NET			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068412			068525			068469			068469			068326		
TASK:	3.11			3.11			3.11			3.11			3.11		
LAB:	WEMCO			IT/RSL			IT			IT			IT/RSL		
WELL OR BORING NUMBER:	2129			2129			2129			2129			2129		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	12-NOV-91			14-JAN-91			17-DEC-91			17-DEC-91			17-OCT-91		
NORTH COORDINATE:	472632.99			472632.99			472632.99			472632.99			472632.99		
EAST COORDINATE:	1379884.49			1379884.49			1379884.49			1379884.49			1379884.49		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		U			
CHLORIDE										17.8 MG/L		U			
FLUORIDE										.1 MG/L		U			
NITRATE										1.61 MG/L		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										12.4 MG/L		-			
SULFATE										218 MG/L		U			
SULFIDE										.5 MG/L		UJ			
TOTAL ORGANIC CARBON										1.31 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.282 MG/L		-			
INORGANICS															
ALUMINUM							1.07 MG/L		-						
ARSENIC							.002 MG/L		U						
BARIUM							.0818 MG/L		-						
CADMIUM							.0138 MG/L		-						
CALCIUM							210 MG/L		-						
CHROMIUM							.208 MG/L		-						
COPPER							.0544 MG/L		-						
IRON							.108 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							71.7 MG/L		-						
MANGANESE							.333 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.0217 MG/L		-						

SAMPLE NUMBER:	068412			068525			068469			068469			068326		
LAB:	WEMCO			IT/RSL			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL							.0554 MG/L		-						
POTASSIUM							2.07 MG/L		-						
SELENIUM							.002 MG/L		U						
SILICON							5.74 MG/L		-						
SILVER							.12 MG/L		-						
SODIUM							26.2 MG/L		-						
VANADIUM							.0823 MG/L		-						
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U	1.33 PCI/L	.66	NV				1 PCI/L		U
URANIUM, TOTAL	.6 UG/L		NV	1 UG/L		UJ	1 UG/L		NV				1 UG/L		U
URANIUM-234				1.17 PCI/L	.46	J	1 PCI/L		NV				1.09 PCI/L	.38	-
THORIUM-230				1 PCI/L		U							1 PCI/L		U
RADIUM-226				1 PCI/L		UJ	1 PCI/L		UNV				1 PCI/L		U
URANIUM-235/236				1 PCI/L		U	1 PCI/L		NV				1 PCI/L		U
THORIUM-232				1 PCI/L		U							1 PCI/L		U
THORIUM, TOTAL				4.4 UG/L		U							1.4 UG/L		U
RADIUM-228				3 PCI/L		U	3 PCI/L		UNV				3 PCI/L		U
THORIUM-228				2.29 PCI/L	.94	-							1 PCI/L		U
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		U	1 PCI/L		NV				1 PCI/L		UJ
PLUTONIUM-238				1 PCI/L		U	1 PCI/L		NV				1 PCI/L		UJ
STRONTIUM-90				5 PCI/L		U	5 PCI/L		NV				5 PCI/L		U
TECHNETIUM-99				30 PCI/L		UJ	30 PCI/L		NV				30 PCI/L		UJ
RUTHENIUM-106				150 PCI/L		UJ	150 PCI/L		UNV				150 PCI/L		U
CESIUM-137				20 PCI/L		UJ	20 PCI/L		NV				20 PCI/L		U
GROSS ALPHA							4.7 PCI/L		UNV						
GROSS BETA							34.9 PCI/L	6.4	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068327	068575	EMGW_SYSGEN_787	EMGW_SYSGEN_787	EMGW_SYSGEN_787
TASK:	3.11	3.11	GWMON	GWMON	GWMON
LAB:	WEMCO	IT	IT	NET	WMCO
WELL OR BORING NUMBER:	2129	2129	2129	2129	2129
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-OCT-91	20-FEB-92	22-JUN-90	22-JUN-90	22-JUN-90
NORTH COORDINATE:	472632.99	472632.99	472632.99	472632.99	472632.99
EAST COORDINATE:	1379884.49	1379884.49	1379884.49	1379884.49	1379884.49
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
CHLORIDE										70 MG/L		NV			
NITRATE, AS NITROGEN										3.28 MG/L		NV			
SULFATE										88 MG/L		NV			
TOTAL ORGANIC CARBON										5 MG/L		NV			
TOTAL ORGANIC HALOGENS										.028 MG/L		NV			
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U	.934 PCI/L		NV				.57 PCI/L		NV
URANIUM, TOTAL	.1 UG/L		UNV	1 UG/L		U	2.79 UG/L		NV				1.71 UG/L		NV
URANIUM-234				1 PCI/L		U	1.33 PCI/L		NV				5.3 PCI/L		NV
THORIUM-230				1.31 PCI/L	.66	J	1.1 PCI/L		NV						
RADIUM-226				1 PCI/L		U	1.58 PCI/L		NV						
URANIUM-235/236				1 PCI/L		U	.3 PCI/L		UNV						
THORIUM-232				1 PCI/L		U	.64 PCI/L		UNV						
THORIUM, TOTAL				4.8 UG/L		U	5.8 UG/L		UNV						
RADIUM-228				3 PCI/L		U	3 PCI/L		UNV						
THORIUM-228				2.55 PCI/L	1.12	J	.64 PCI/L		UNV						
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		UJ									
RUTHENIUM-106				150 PCI/L		U									
CESIUM-137				20 PCI/L		U									
GROSS ALPHA				420 PCI/L	52	NV	20 PCI/L		UNV						
GROSS BETA				26 PCI/L	5.1	NV	39.3 PCI/L		NV						
URANIUM-235				1 PCI/L		U	.3 PCI/L		UNV				.027 PCI/L		NV

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SAMPLE NUMBER:	068327			068575			EMGW_SYSGEN_787			EMGW_SYSGEN_787			EMGW_SYSGEN_787		
LAB:	WEMCO			IT			IT			NET			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-236													.001 PCI/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE										1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										1 UG/L		UNV			
1,1,2-TRICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHANE										1 UG/L		UNV			
1,1-DICHLOROETHENE										1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE										1 UG/L		UNV			
2-BUTANONE										2 UG/L		UNV			
2-HEXANONE										2 UG/L		UNV			
4-METHYL-2-PENTANONE										2 UG/L		UNV			
ACETONE										2 UG/L		UNV			
BENZENE										1 UG/L		UNV			
BROMODICHLOROMETHANE										1 UG/L		UNV			
BROMOFORM										1 UG/L		UNV			
BROMOMETHANE										1 UG/L		UNV			
CARBON DISULFIDE										1 UG/L		UNV			
CARBON TETRACHLORIDE										1 UG/L		UNV			
CHLOROBENZENE										1 UG/L		UNV			
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										1 UG/L		UNV			
METHYLENE CHLORIDE										1 UG/L		UNV			
STYRENE										1 UG/L		UNV			
TETRACHLOROETHENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										1 UG/L		UNV			
VINYL ACETATE										2 UG/L		UNV			
VINYL CHLORIDE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_787D			EMGW_SYSGEN_787D			068253			068253			068254		
TASK:	GWMON			GWMON			3.11			3.11			3.11		
LAB:	IT			NET			IT			IT			WEMCO		
WELL OR BORING NUMBER:	2129			2129			2129			2129			2129		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-JUN-90			22-JUN-90			23-SEP-91			23-SEP-91			23-SEP-91		
NORTH COORDINATE:	472632.99			472632.99			472632.99			472632.99			472632.99		
EAST COORDINATE:	1379884.49			1379884.49			1379884.49			1379884.49			1379884.49		
QA TYPE:	DUPLICATE			DUPLICATE			NORMAL			NORMAL			NORMAL		
QC OF:	EMGW_SYSGEN_787			EMGW_SYSGEN_787											
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		-			
CHLORIDE				70 MG/L		NV				17 MG/L		-			
FLUORIDE										.1 MG/L		U			
NITRATE				3.35 MG/L		NV				2.7 MG/L		J			
NITRATE, AS NITROGEN				3.35 MG/L		NV									
PHENOLS										.01 MG/L		U			
PHOSPHORUS										12 MG/L		-			
SULFATE				104 MG/L		NV				69 MG/L		-			
SULFIDE										46 MG/L		-			
TOTAL ORGANIC CARBON				4 MG/L		NV				1 MG/L		U			
TOTAL ORGANIC HALIDES										.01 MG/L		UJ			
TOTAL ORGANIC HALOGENS				.03 MG/L		NV									
TOTAL ORGANIC NITROGEN										.1 MG/L		-			
INORGANICS															
ALUMINUM							.04 MG/L		U						
ANTIMONY							.03 MG/L		U						
ARSENIC							.0399 MG/L		J						
BARIUM							.0409 MG/L		-						
BERYLLIUM							.001 MG/L		U						
CADMIUM							.005 MG/L		U						
CALCIUM							80.4 MG/L		-						
CHROMIUM							.01 MG/L		U						
COBALT							.02 MG/L		U						
COPPER							.0156 MG/L		-						
IRON							.0322 MG/L		-						

SAMPLE NUMBER:	EMGW_SYSGEN_787D			EMGW_SYSGEN_787D			068253			068253			068254		
LAB:	IT			NET			IT			IT			WEMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD							.002 MG/L		U						
MAGNESIUM							32.6 MG/L		-						
MANGANESE							.002 MG/L		U						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.01 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							33.3 MG/L		-						
SELENIUM							.004 MG/L		UJ						
SILICON							7.74 MG/L		-						
SILVER							.005 MG/L		U						
SODIUM							37.3 MG/L		-						
THALLIUM							.002 MG/L		U						
VANADIUM							.01 MG/L		U						
ZINC							.0193 MG/L		U						
RADIONUCLIDES															
URANIUM-238	1.23 PCI/L		NV				4.42 PCI/L	.69	NV						
URANIUM, TOTAL	3.74 UG/L		NV				1 UG/L		NV				.2 UG/L		NV
URANIUM-234	1.19 PCI/L		NV				6.27 PCI/L	.9	NV						
THORIUM-230	2.77 PCI/L		NV												
RADIUM-226	1.41 PCI/L		NV				1 PCI/L		UNV						
URANIUM-235/236	.27 PCI/L		UNV				1 PCI/L		NV						
THORIUM-232	.46 PCI/L		UNV												
THORIUM, TOTAL	4.1 UG/L		UNV												
RADIUM-228	3 PCI/L		UNV				3 PCI/L		UNV						
THORIUM-228	.46 PCI/L		UNV												
NEPTUNIUM-237							1 PCI/L		NV						
STRONTIUM-90							5 PCI/L		NV						
TECHNETIUM-99							30 PCI/L		NV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							20 PCI/L		NV						
GROSS ALPHA	9 PCI/L		UNV												
GROSS BETA	29.2 PCI/L		NV												
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV									
1,1,2-TRICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHANE				1 UG/L		UNV									
1,1-DICHLOROETHENE				1 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_787D	EMGW_SYSGEN_787D	068253	068253	068254
LAB:	IT	NET	IT	IT	WEMCO
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE				1 UG/L		UNV									
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2 UG/L		UNV									
BENZENE				1 UG/L		UNV									
BROMODICHLOROMETHANE				1 UG/L		UNV									
BROMOFORM				1 UG/L		UNV									
BROMOMETHANE				1 UG/L		UNV									
CARBON DISULFIDE				1 UG/L		UNV									
CARBON TETRACHLORIDE				1 UG/L		UNV									
CHLOROBENZENE				1 UG/L		UNV									
CHLOROFORM				1 UG/L		UNV									
CHLOROMETHANE				1 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
DIBROMOCHLOROMETHANE				1 UG/L		UNV									
ETHYLBENZENE				1 UG/L		UNV									
METHYLENE CHLORIDE				1.3 UG/L		NV									
STYRENE				1 UG/L		UNV									
TETRACHLOROETHENE				1 UG/L		UNV									
TOLUENE				1 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV									
TRICHLOROETHENE				1 UG/L		UNV									
VINYL ACETATE				2 UG/L		UNV									
VINYL CHLORIDE				1 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068171	EMGW_SYSGEN_789	EMGW_SYSGEN_789	068111	068111
TASK:	3.11	GWMON	GWMON	3.11	3.11
LAB:	IT	IT	NET	IT	IT
WELL OR BORING NUMBER:	2129	2129	2129	2129	2129
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-JUL-91	26-NOV-90	26-NOV-90	27-JUN-91	27-JUN-91
NORTH COORDINATE:	472632.99	472632.99	472632.99	472632.99	472632.99
EAST COORDINATE:	1379884.49	1379884.49	1379884.49	1379884.49	1379884.49
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							406 MG/L		NV						
AMMONIA							.15 MG/L		NV				.1 MG/L		U
CHLORIDE							43 MG/L		NV				35.6 MG/L		-
FLUORIDE							.05 MG/L		NV				.12 MG/L		-
NITRATE							2.99 MG/L		NV				43.2 MG/L		J
NITRATE/NITRITE							2.99 MG/L		NV						
PH							6.94 SU		NV				.02 MG/L		-
PHENOLS							.005 MG/L		UNV				.02 MG/L		-
PHOSPHORUS							22.4 MG/L		NV				29.55 MG/L		-
SPECIFIC CONDUCTIVITY							807 UMHOS/CM		NV						
SULFATE							83 MG/L		NV				59.5 MG/L		J
SULFIDE													.5 MG/L		U
TOTAL DISSOLVED SOLIDS							734 MG/L		NV						
TOTAL ORGANIC CARBON							5 MG/L		NV				2.9 MG/L		-
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.111 MG/L		-
INORGANICS															
ALUMINUM										.06 MG/L		U			
ARSENIC										.094 MG/L		-			
BARIUM										.045 MG/L		R			
CADMIUM										.004 MG/L		-			
CALCIUM										67.7 MG/L		-			
CHROMIUM										.02 MG/L		-			
COPPER										.022 MG/L		U			

SAMPLE NUMBER:	068171			EMGW_SYSGEN_789			EMGW_SYSGEN_789			068111			068111		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CYANIDE							.005 MG/L		UNV						
IRON										.022 MG/L		-			
LEAD										.0028 MG/L		-			
MAGNESIUM										34.1 MG/L		-			
MANGANESE										.006 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.018 MG/L		-			
NICKEL										.02 MG/L		U			
POTASSIUM										59.2 MG/L		-			
SELENIUM										.002 MG/L		U			
SILICON										.015 MG/L		-			
SILVER										.015 MG/L		-			
SODIUM										71.5 MG/L		-			
VANADIUM										.01 MG/L		-			
MISC															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	1 PCI/L		NV	2.27 PCI/L		NV				1 PCI/L		U			
URANIUM, TOTAL	1 UG/L		NV	5.25 UG/L		NV				1 UG/L		UJ			
URANIUM-234	1 PCI/L		NV	1.8 PCI/L		NV				1 PCI/L		U			
THORIUM-230	1.07 PCI/L	.37	NV	.627 PCI/L		NV				1 PCI/L		UJ			
RADIUM-226	1 PCI/L		UNV	1 PCI/L		UNV				1 PCI/L		R			
URANIUM-235/236	1 PCI/L		NV	2.5 PCI/L		UNV				1 PCI/L		U			
THORIUM-232	1 PCI/L		NV	.56 PCI/L		UNV				1 PCI/L		UJ			
THORIUM, TOTAL	2.7 UG/L		NV	5.1 UG/L		UNV				2.2 UG/L		UJ			
RADIUM-228	3 PCI/L		UNV	3 PCI/L		UNV				3 PCI/L		R			
THORIUM-228	2.68 PCI/L	.63	NV	.56 PCI/L		UNV				1 PCI/L		UJ			
NEPTUNIUM-237	1 PCI/L		NV							1 PCI/L		U			
PLUTONIUM-239/240	1 PCI/L		NV							1 PCI/L		U			
PLUTONIUM-238	1 PCI/L		NV							1 PCI/L		U			
STRONTIUM-90	5 PCI/L		NV							5 PCI/L		UJ			
TECHNETIUM-99	30 PCI/L		NV							30 PCI/L		U			
RUTHENIUM-106	150 PCI/L		UNV							150 PCI/L		R			
CESIUM-137	20 PCI/L		NV							20 PCI/L		R			
GROSS ALPHA				48.3 PCI/L		NV									
GROSS BETA				127 PCI/L		NV									

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068171			EMGW_SYSGEN_789			EMGW_SYSGEN_789			068111			068111		
LAB:	IT			IT			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							2 UG/L		UNV						
2-HEXANONE							2 UG/L		UNV						
4-METHYL-2-PENTANONE							2 UG/L		UNV						
ACETONE							2 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							1 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							1 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							1 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
VINYL ACETATE							2 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068112	PRS212901-R1	PRS212902-R2	068047	068048
TASK:	3.11	RCRACLOS	RCRACLOS	3.11	3.11
LAB:	WEMCO	ENSR	ENSR	IT/RSL	WEMCO
WELL OR BORING NUMBER:	2129	2129	2129	2129	2129
DEPTH:	-	0-0	0-0	-	-
DATE COLLECTED:	27-JUN-91	29-MAY-90	31-JUL-90	31-MAY-91	31-MAY-91
NORTH COORDINATE:	472632.99	472654	472654	472632.99	472632.99
EAST COORDINATE:	1379884.49	1379885	1379885	1379884.49	1379884.49
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				1.4 MG/L		NV	.1 MG/L		UNV						
CHEMICAL OXYGEN DEMAND				59 MG/L		NV	26 MG/L		NV						
CHLORIDE				40 MG/L		NV	58 MG/L		NV						
PHOSPHORUS				.7 MG/L		NV	36 MG/L		NV						
SULFATE				120 MG/L		NV	94 MG/L		NV						
TOTAL DISSOLVED SOLIDS				750 MG/L		NV	790 MG/L		NV						
INORGANICS															
ALUMINUM				.023 MG/L		UNV	.084 MG/L		NV						
ANTIMONY				.039 MG/L		UNV	.035 MG/L		UNV						
ARSENIC				.066 MG/L		NV	.008 MG/L		NV						
BARIUM				.032 MG/L		NV	.048 MG/L		NV						
BERYLLIUM				.001 MG/L		UNV	.001 MG/L		UNV						
CADMIUM				.005 MG/L		UNV	.005 MG/L		UNV						
CALCIUM				83.8 MG/L		NV	82.7 MG/L		NV						
CHROMIUM				.007 MG/L		UNV	.006 MG/L		UNV						
COBALT				.007 MG/L		UNV	.004 MG/L		UNV						
COPPER				.008 MG/L		NV	.008 MG/L		UNV						
CYANIDE				.01 MG/L		UNV	.01 MG/L		UNV						
IRON				.038 MG/L		NV	.019 MG/L		NV						
LEAD				.002 MG/L		UNV	.002 MG/L		UNV						
MAGNESIUM				28.9 MG/L		NV	36.3 MG/L		NV						
MANGANESE				.072 MG/L		NV	.003 MG/L		UNV						
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						
NICKEL				.034 MG/L		UNV	.039 MG/L		UNV						
POTASSIUM				30.3 MG/L		NV	54.5 MG/L		NV						

SAMPLE NUMBER:	068112			PRS212901-R1			PRS212902-R2			068047			068048		
LAB:	WEMCO			ENSR			ENSR			IT/RSL			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
SELENIUM				.01 MG/L		NV	.01 MG/L		UNV						
SILVER				.004 MG/L		UNV	.008 MG/L		UNV						
SODIUM				92.6 MG/L		NV	137 MG/L		NV						
THALLIUM				.003 MG/L		UNV	.002 MG/L		UNV						
VANADIUM				.005 MG/L		UNV	.004 MG/L		UNV						
ZINC				.021 MG/L		NV	.016 MG/L		NV						
MISC															
ACROLEIN				25 UG/L		UNV	25 UG/L		UNV						
ACROLEIN				25 UG/L		UNV	25 UG/L		UNV						
ACROLEIN				25 UG/L		UNV	25 UG/L		UNV						
ACROLEIN				25 UG/L		UNV	25 UG/L		UNV						
ACRYLONITRILE				25 UG/L		UNV	25 UG/L		UNV						
PESTICIDES															
4,4'-DDD				.01 UG/L		UNV	.01 UG/L		UNV						
4,4'-DDE				.01 UG/L		UNV	.01 UG/L		UNV						
4,4'-DDT				.01 UG/L		UNV	.01 UG/L		UNV						
ALDRIN				.005 UG/L		UNV	.005 UG/L		UNV						
ALPHA-BHC				.005 UG/L		UNV	.005 UG/L		UNV						
ALPHA-CHLORDANE				.05 UG/L		UNV	.05 UG/L		UNV						
AROCLOR-1016				.05 UG/L		UNV	.05 UG/L		UNV						
AROCLOR-1221				.05 UG/L		UNV	.05 UG/L		UNV						
AROCLOR-1232				.05 UG/L		UNV	.05 UG/L		UNV						
AROCLOR-1242				.05 UG/L		UNV	.05 UG/L		UNV						
AROCLOR-1248				.05 UG/L		UNV	.05 UG/L		UNV						
AROCLOR-1254				.1 UG/L		UNV	.1 UG/L		UNV						
AROCLOR-1260				.1 UG/L		UNV	.1 UG/L		UNV						
BETA-BHC				.005 UG/L		UNV	.005 UG/L		UNV						
DELTA-BHC				.005 UG/L		UNV	.005 UG/L		UNV						
DIELDRIN				.01 UG/L		UNV	.01 UG/L		UNV						
ENDOSULFAN II				.01 UG/L		UNV	.01 UG/L		UNV						
ENDOSULFAN SULFATE				.01 UG/L		UNV	.01 UG/L		UNV						
ENDOSULFAN-I				.005 UG/L		UNV	.005 UG/L		UNV						
ENDRIN				.01 UG/L		UNV	.01 UG/L		UNV						
ENDRIN KETONE				.01 UG/L		UNV	.01 UG/L		UNV						
GAMMA-BHC (LINDANE)				.005 UG/L		UNV	.005 UG/L		UNV						
GAMMA-CHLORDANE				.05 UG/L		UNV	.05 UG/L		UNV						
HEPTACHLOR				.005 UG/L		UNV	.005 UG/L		UNV						
HEPTACHLOR EPOXIDE				.005 UG/L		UNV	.005 UG/L		UNV						

SAMPLE NUMBER:	068112			PRS212901-R1			PRS212902-R2			068047			068048		
LAB:	WEMCO			ENSR			ENSR			IT/RSL			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
METHOXYCHLOR				.05 UG/L		UNV	.05 UG/L		UNV						
TOXAPHENE				.1 UG/L		UNV	.1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238										1 PCI/L		U			
URANIUM, TOTAL	.6 UG/L		NV							1 UG/L		UJ	.2 UG/L		NV
URANIUM-234										1 PCI/L		U			
THORIUM-230										1 PCI/L		UJ			
RADIUM-226										1 PCI/L		U			
URANIUM-235/236										1 PCI/L		U			
THORIUM-232										1 PCI/L		UJ			
THORIUM, TOTAL										1 UG/L		UJ			
RADIUM-228										3 PCI/L		R			
THORIUM-228										1 PCI/L		UJ			
NEPTUNIUM-237										1 PCI/L		UJ			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		R			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				2 UG/L		UNV	2 UG/L		UNV						
1,2-DICHLOROBENZENE				3 UG/L		UNV	2 UG/L		UNV						
1,3-DICHLOROBENZENE				2 UG/L		UNV	2 UG/L		UNV						
1,4-DICHLOROBENZENE				2 UG/L		UNV	2 UG/L		UNV						
2,4,5-TRICHLOROPHENOL				2 UG/L		UNV	2 UG/L		UNV						
2,4,6-TRICHLOROPHENOL				2 UG/L		UNV	2 UG/L		UNV						
2,4-DICHLOROPHENOL				2 UG/L		UNV	2 UG/L		UNV						
2,4-DIMETHYLPHENOL				2 UG/L		UNV	2 UG/L		UNV						
2,4-DINITROPHENOL				15 UG/L		UNV	15 UG/L		UNV						
2,4-DINITROTOLUENE				1 UG/L		UNV	1 UG/L		UNV						
2,6-DINITROTOLUENE				1 UG/L		UNV	1 UG/L		UNV						
2-CHLORONAPHTHALENE				2 UG/L		UNV	2 UG/L		UNV						
2-CHLOROPHENOL				2 UG/L		UNV	2 UG/L		UNV						
2-METHYLNAPHTHALENE				2 UG/L		UNV	2 UG/L		UNV						
2-METHYLPHENOL				1 UG/L		UNV	1 UG/L		UNV						
2-NITROANILINE				1 UG/L		UNV	1 UG/L		UNV						
2-NITROPHENOL				2 UG/L		UNV	2 UG/L		UNV						

SAMPLE NUMBER:	068112			PRS212901-R1			PRS212902-R2			068047			068048		
LAB:	WEMCO			ENSR			ENSR			IT/RSL			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
3-NITROANILINE				3 UG/L		UNV	2 UG/L		UNV						
4,6-DINITRO-2-METHYLPHENOL				15 UG/L		UNV	15 UG/L		UNV						
4-BROMOPHENYL PHENYL ETHER				2 UG/L		UNV	2 UG/L		UNV						
4-CHLORO-3-METHYLPHENOL				2 UG/L		UNV	2 UG/L		UNV						
4-CHLOROPHENYLPHENYL ETHER				1 UG/L		UNV	1 UG/L		UNV						
4-METHYLPHENOL				1 UG/L		UNV	1 UG/L		UNV						
4-NITROANILINE				3 UG/L		UNV	3 UG/L		UNV						
4-NITROPHENOL				2 UG/L		UNV	2 UG/L		UNV						
ACENAPHTHENE				2 UG/L		UNV	2 UG/L		UNV						
ACENAPHTHYLENE				2 UG/L		UNV	2 UG/L		UNV						
ANTHRACENE				3 UG/L		UNV	2 UG/L		UNV						
BENZO(A)ANTHRACENE				2 UG/L		UNV	2 UG/L		UNV						
BENZO(A)PYRENE				2 UG/L		UNV	2 UG/L		UNV						
BENZO(B)FLUORANTHENE				2 UG/L		UNV	2 UG/L		UNV						
BENZO(G,H,I)PERYLENE				4 UG/L		UNV	4 UG/L		UNV						
BENZO(K)FLUORANTHENE				2 UG/L		UNV	2 UG/L		UNV						
BENZOIC ACID				20 UG/L		UNV	20 UG/L		UNV						
BENZYL ALCOHOL				2 UG/L		UNV	2 UG/L		UNV						
BIS(2-CHLOROETHOXY)METHANE				3 UG/L		UNV	2 UG/L		UNV						
BIS(2-CHLOROETHYL)ETHER				2 UG/L		UNV	2 UG/L		UNV						
BIS(2-CHLOROISOPROPYL) ETHER				3 UG/L		UNV	2 UG/L		UNV						
BIS(2-ETHYLHEXYL)PHTHALATE				8 UG/L		UNV	1 UG/L		UNV						
BUTYL BENZYL PHTHALATE				4 UG/L		UNV	4 UG/L		UNV						
CHRYSENE				2 UG/L		UNV	2 UG/L		UNV						
DI-N-BUTYL PHTHALATE				2 UG/L		UNV	2 UG/L		UNV						
DI-N-OCTYL PHTHALATE				2 UG/L		UNV	2 UG/L		UNV						
DIBENZO(A,H)ANTHRACENE				3 UG/L		UNV	2 UG/L		UNV						
DIBENZOFURAN				1 UG/L		UNV	1 UG/L		UNV						
DIETHYL PHTHALATE				1 UG/L		UNV	1 UG/L		UNV						
DIMETHYL PHTHALATE				2 UG/L		UNV	2 UG/L		UNV						
FLUORANTHENE				2 UG/L		UNV	2 UG/L		UNV						
FLUORENE				1 UG/L		UNV	1 UG/L		UNV						
HEXACHLOROBENZENE				2 UG/L		UNV	2 UG/L		UNV						
HEXACHLOROBUTADIENE				3 UG/L		UNV	2 UG/L		UNV						
HEXACHLOROCYCLOPENTADIENE				2 UG/L		UNV	2 UG/L		UNV						
HEXACHLOROETHANE				2 UG/L		UNV	2 UG/L		UNV						
INDENO(1,2,3-CD)PYRENE				4 UG/L		UNV	4 UG/L		UNV						
ISOPHORONE				3 UG/L		UNV	2 UG/L		UNV						
N-NITROSO-DI-N-PROPYLAMINE				2 UG/L		UNV	2 UG/L		UNV						
N-NITROSODIPHENYLAMINE				2 UG/L		UNV	2 UG/L		UNV						
NAPHTHALENE				2 UG/L		UNV	2 UG/L		UNV						

SAMPLE NUMBER:	068112			PRS212901-R1			PRS212902-R2			068047			068048		
LAB:	WEMCO			ENSR			ENSR			IT/RSL			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
NITROBENZENE				3 UG/L		UNV	2 UG/L		UNV						
P-CHLOROANILINE				2 UG/L		UNV	2 UG/L		UNV						
PENTACHLOROPHENOL				2 UG/L		UNV	2 UG/L		UNV						
PHENANTHRENE				1 UG/L		UNV	1 UG/L		UNV						
PHENOL				2 UG/L		UNV	2 UG/L		UNV						
PYRENE				2 UG/L		UNV	2 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE				2 UG/L		UNV	2 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE				2 UG/L		UNV	2 UG/L		UNV						
1,1,2-TRICHLOROETHANE				2 UG/L		UNV	2 UG/L		UNV						
1,1-DICHLOROETHANE				2 UG/L		UNV	2 UG/L		UNV						
1,1-DICHLOROETHENE				2 UG/L		UNV	2 UG/L		UNV						
1,2-DICHLOROETHANE				2 UG/L		UNV	2 UG/L		UNV						
1,2-DICHLOROETHENE (TOTAL)				2 UG/L		UNV	2 UG/L		UNV						
1,2-DICHLOROPROPANE				2 UG/L		UNV	2 UG/L		UNV						
2-BUTANONE				5 UG/L		UNV	5 UG/L		UNV						
2-HEXANONE				5 UG/L		UNV	5 UG/L		UNV						
4-METHYL-2-PENTANONE				2 UG/L		UNV	2 UG/L		UNV						
ACETONE				5 UG/L		UNV	5 UG/L		UNV						
BENZENE				2 UG/L		UNV	2 UG/L		UNV						
BROMODICHLOROMETHANE				2 UG/L		UNV	2 UG/L		UNV						
BROMOFORM				2 UG/L		UNV	2 UG/L		UNV						
BROMOMETHANE				2 UG/L		UNV	2 UG/L		UNV						
CARBON DISULFIDE				3 UG/L		UNV	3 UG/L		UNV						
CARBON TETRACHLORIDE				2 UG/L		UNV	2 UG/L		UNV						
CHLOROBENZENE				2 UG/L		UNV	2 UG/L		UNV						
CHLOROETHANE				2 UG/L		UNV	2 UG/L		UNV						
CHLOROFORM				2 UG/L		UNV	2 UG/L		UNV						
CHLOROMETHANE				2 UG/L		UNV	2 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE				2 UG/L		UNV	2 UG/L		UNV						
DIBROMOCHLOROMETHANE				2 UG/L		UNV	2 UG/L		UNV						
ETHYLBENZENE				2 UG/L		UNV	2 UG/L		UNV						
METHYLENE CHLORIDE				2 UG/L		UNV	1 UG/L		NV						
STYRENE				1 UG/L		UNV	1 UG/L		UNV						
TETRACHLOROETHENE				2 UG/L		UNV	2 UG/L		UNV						
TOLUENE				2 UG/L		UNV	2 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE				1 UG/L		UNV	1 UG/L		UNV						
TRICHLOROETHENE				2 UG/L		UNV	2 UG/L		UNV						
VINYL ACETATE				5 UG/L		UNV	5 UG/L		UNV						
VINYL CHLORIDE				2 UG/L		UNV	2 UG/L		UNV						

SAMPLE NUMBER:	068112			PRS212901-R1			PRS212902-R2			068047			068048		
LAB:	WEMCO			ENSR			ENSR			IT/RSL			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL				2 UG/L		UNV	2 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	104456			104457			104457			104457			104458		
TASK:	50.03.12			50.03.12			50.03.12			50.03.12			50.03.12		
LAB:	IT			IT			IT-KNOX			IT			FERMCO		
WELL OR BORING NUMBER:	2166			2166			2166			2166			2166		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	17-NOV-92			17-NOV-92			17-NOV-92			17-NOV-92			17-NOV-92		
NORTH COORDINATE:	476523.77			476523.77			476523.77			476523.77			476523.77		
EAST COORDINATE:	1381106.59			1381106.59			1381106.59			1381106.59			1381106.59		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			F-FIL			F-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										265 MG/L		-			
AMMONIA										.1 MG/L		U			
CHLORIDE										35.86 MG/L		-			
FLUORIDE										.26 MG/L		-			
NITRATE										3.25 MG/L		J			
PHENOLS										.02 MG/L		-			
PHOSPHORUS										.1 MG/L		-			
SULFATE										44.4 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.132 MG/L		-			
INORGANICS															
ALUMINUM							.03 MG/L		U						
ANTIMONY				.005 MG/L		U									
ARSENIC							.0025 MG/L		UJ						
BARIUM				.0388 MG/L		-									
BERYLLIUM				.002 MG/L		U									
CADMIUM				.005 MG/L		U									
CALCIUM				91.6 MG/L		-									
CHROMIUM				.01 MG/L		U									
COBALT				.01 MG/L		U									
COPPER				.01 MG/L		U									
CYANIDE										.002 MG/L		U			
IRON				.02 MG/L		U									

SAMPLE NUMBER:	104456			104457			104457			104457			104458		
LAB:	IT			IT			IT-KNOX			IT			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			F-FIL			F-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD				.0025 MG/L		U									
MAGNESIUM				24.2 MG/L		-									
MANGANESE				.0319 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.02 MG/L		U									
NICKEL				.02 MG/L		U									
POTASSIUM				3.29 MG/L		-									
SELENIUM				.002 MG/L		U									
SILICON				4.34 MG/L		-									
SILVER				.01 MG/L		U									
SODIUM				17.9 MG/L		-									
THALLIUM				.002 MG/L		U									
VANADIUM				.01 MG/L		U									
ZINC				.005 MG/L		U									
RADIONUCLIDES															
URANIUM-238	38.7 PCI/L	5.6	J												
URANIUM, TOTAL	105 UG/L	14	J										110 UG/L		NV
URANIUM-234	37.2 PCI/L	5.4	J												
RADIUM-226	1 PCI/L		UJ												
URANIUM-235/236	2.03 PCI/L	.55	J												
RADIUM-228	3.7 PCI/L		UJ												
NEPTUNIUM-237	.5 PCI/L		UJ												
PLUTONIUM-239/240	.5 PCI/L		UJ												
PLUTONIUM-238	.5 PCI/L		UJ												
STRONTIUM-90	1.72 PCI/L	.52	J												
TECHNETIUM-99	15 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		UJ												
CESIUM-137	14.7 PCI/L		UJ												
GROSS ALPHA	64.3 PCI/L	13.8	NV												
GROSS BETA	25.3 PCI/L	4.4	NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	104460	104460	104460	120046-1	120046-1
TASK:	50.03.12	50.03.12	50.03.12	50.03.23	50.03.23
LAB:	IT	IT	IT/RSL	FERMCO	FERMCO
WELL OR BORING NUMBER:	2166	2166	2166	2171	2171
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-JAN-93	25-JAN-93	25-JAN-93	07-JUN-93	07-JUN-93
NORTH COORDINATE:	476523.77	476523.77	476523.77	479937.91	479937.91
EAST COORDINATE:	1381106.59	1381106.59	1381106.59	1382076.33	1382076.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				253 MG/L		-									
AMMONIA				.149 MG/L		U									
CHLORIDE				32.85 MG/L		-									
FLUORIDE				.28 MG/L		-									
NITRATE				2.93 MG/L		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.02 MG/L		U									
SULFATE				64.3 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				.632 MG/L		U									
TOTAL ORGANIC HALIDES				10 MG/L		U									
TOTAL ORGANIC NITROGEN				.1 MG/L		U									
INORGANICS															
ALUMINUM	.03 MG/L		U												
ANTIMONY	.005 MG/L		UJ												
ARSENIC	.002 MG/L		U												
BARIUM	.041 MG/L		-												
BERYLLIUM	.002 MG/L		U												
CADMIUM	.005 MG/L		U												
CALCIUM	89.1 MG/L		-												
CHROMIUM	.01 MG/L		U												
COBALT	.01 MG/L		U												
COPPER	.01 MG/L		U												
CYANIDE	.002 MG/L		U												
IRON	.02 MG/L		U												

SAMPLE NUMBER:	104460			104460			104460			120046-1			120046-1		
LAB:	IT			IT			IT/RSL			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
LEAD	.002 MG/L		U												
MAGNESIUM	23.9 MG/L		-												
MANGANESE	.01 MG/L		U												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.02 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	3.17 MG/L		-												
SELENIUM	.002 MG/L		U												
SILICON	4.47 MG/L		-												
SILVER	.01 MG/L		U												
SODIUM	17.8 MG/L		-												
THALLIUM	.002 MG/L		U												
VANADIUM	.01 MG/L		U												
ZINC	.005 MG/L		U												
RADIONUCLIDES															
URANIUM-238							42.7 PCI/L	6.7	J						
URANIUM, TOTAL							107 UG/L	15	J	.9 UG/L		NV	.9 UG/L		UNV
URANIUM-234							43.8 PCI/L	6.8	J						
RADIUM-226							1 PCI/L		UJ						
URANIUM-235/236							2.58 PCI/L	.72	J						
RADIUM-228							3 PCI/L		UJ						
NEPTUNIUM-237							.5 PCI/L		UJ						
PLUTONIUM-239/240							.5 PCI/L		UJ						
PLUTONIUM-238							.5 PCI/L		UJ						
STRONTIUM-90							1 PCI/L		UJ						
TECHNETIUM-99							15 PCI/L	12.2	UJ						
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							13 PCI/L		UJ						
GROSS ALPHA							85.9 PCI/L	15.7	NV						
GROSS BETA							39.6 PCI/L	5.5	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120046-1			120046-1			120046			120046			120046		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	NET			NET			CORE			CORE			FERMCO		
WELL OR BORING NUMBER:	2171			2171			2171			2171			2171		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-JUN-93			07-JUN-93			07-JUN-93			07-JUN-93			07-JUN-93		
NORTH COORDINATE:	479937.91			479937.91			479937.91			479937.91			479937.91		
EAST COORDINATE:	1382076.33			1382076.33			1382076.33			1382076.33			1382076.33		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				256 MG/L		-									
AMMONIA				.02 MG/L		U									
BICARBONATE ALKALINITY				360 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				16 MG/L		-									
FLUORIDE				.15 MG/L		-									
NITRATE/NITRITE				.02 MG/L		UJ									
PH				7.28 SU		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.1 MG/L		U									
SPECIFIC CONDUCTIVITY				885 UMHOS/CM		-									
SULFATE				223 MG/L		-									
TOTAL DISSOLVED SOLIDS	662 MG/L		-												
TOTAL KJELDAHL NITROGEN				.1 MG/L		UJ									
TOTAL ORGANIC CARBON				1 MG/L		UJ									
TOTAL ORGANIC HALOGENS				.01 MG/L		UJ									
TOTAL ORGANIC NITROGEN				.1 MG/L		UJ									
TOTAL SOLIDS				691 MG/L		-									
INORGANICS															
ALUMINUM	.0354 MG/L		U	.0629 MG/L		U									
ANTIMONY	.045 MG/L		U	.045 MG/L		U									
ARSENIC	.002 MG/L		U	.0034 MG/L		U									
BARIUM	.0682 MG/L		-	.0711 MG/L		-									
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									
CADMIUM	.0167 MG/L		U	.0169 MG/L		-									

000023

SAMPLE NUMBER:	120046-1			120046-1			120046			120046			120046		
LAB:	NET			NET			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	141 MG/L		-	147 MG/L		-									
CHROMIUM	.005 MG/L		U	.005 MG/L		U									
COBALT	.008 MG/L		U	.008 MG/L		U									
COPPER	.0059 MG/L		U	.0045 MG/L		U									
CYANIDE	.01 MG/L		UJ	.01 MG/L		UJ									
IRON	2.91 MG/L		-	3.38 MG/L		-									
LEAD	.0115 MG/L		J	.0016 MG/L		UJ									
MAGNESIUM	29.7 MG/L		-	31 MG/L		-									
MANGANESE	.345 MG/L		-	.357 MG/L		-									
MERCURY	.0002 MG/L		U	.0002 MG/L		U									
NICKEL	.02 MG/L		U	.02 MG/L		U									
POTASSIUM	2.6 MG/L		-	2.42 MG/L		-									
SELENIUM	.001 MG/L		UJ	.0016 MG/L		J									
SILVER	.007 MG/L		UJ	.007 MG/L		U									
SODIUM	8.93 MG/L		-	9.28 MG/L		-									
THALLIUM	.002 MG/L		U	.002 MG/L		U									
VANADIUM	.003 MG/L		U	.003 MG/L		U									
ZINC	.0155 MG/L		U	.0358 MG/L		U									
RADIONUCLIDES															
URANIUM-238							.9 PCI/L	.3	-	.7 PCI/L	.3	-			
URANIUM, TOTAL							1.1 UG/L	.1	-	1.1 UG/L	.1	-	.9 UG/L		NV
URANIUM-234							.8 PCI/L	.3	-	.6 PCI/L	.3	-			
THORIUM-230							.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ			
RADIUM-226							1 PCI/L	.4	U	1 PCI/L	.4	U			
URANIUM-235/236							.2 PCI/L	.3	U	.2 PCI/L	.8	U			
THORIUM-232							.2 PCI/L	.2	UJ	.3 PCI/L	.1	U			
THORIUM, TOTAL							1.8240122 PCI/L	.2	NV						
RADIUM-228							3 PCI/L	1.3	U	3 PCI/L	1.1	U			
THORIUM-228							.2 PCI/L	.2	UJ	.2 PCI/L	.3	U			
GROSS ALPHA							3.4 PCI/L	1.8	UNV	5.8 PCI/L	2.4	NV			
GROSS BETA							4.8 PCI/L	1.8	NV	6 PCI/L	3.7	UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									

SAMPLE NUMBER:	120046-1			120046-1			120046			120046			120046		
LAB:	NET			NET			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	038313	038313	038314	038261	038261
TASK:	50.03.08	50.03.08	50.03.08	50.03.08	50.03.08
LAB:	IT	IT	WEMCO	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	2171	2171	2171	2171	2171
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-FEB-92	25-FEB-92	25-FEB-92	28-APR-92	28-APR-92
NORTH COORDINATE:	479937.91	479937.91	479937.91	479937.91	479937.91
EAST COORDINATE:	1382076.33	1382076.33	1382076.33	1382076.33	1382076.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U							.05 MG/L		UJ
CHLORIDE				17.9 MG/L		-							16 MG/L		-
FLUORIDE				.19 MG/L		-							.178 MG/L		J
NITRATE				.1 MG/L		U							.1 MG/L		UJ
PHENOLS				.01 MG/L		U							.01 MG/L		U
PHOSPHORUS				.24 MG/L		-							.015 MG/L		-
SULFATE				83.9 MG/L		J							87 MG/L		-
SULFIDE				.5 MG/L		U							.5 MG/L		UJ
TOTAL ORGANIC CARBON				1 MG/L		-							2.36 MG/L		J
TOTAL ORGANIC HALIDES				.01 MG/L		U							.022 MG/L		J
TOTAL ORGANIC NITROGEN				.2 MG/L		-							1 MG/L		U
INORGANICS															
ALUMINUM	.114 MG/L		-							.0344 MG/L		J			
ARSENIC	.002 MG/L		U							.0011 MG/L		U			
BARIUM	.0623 MG/L		-							.054 MG/L		-			
CADMIUM	.0039 MG/L		-							.0056 MG/L		UJ			
CALCIUM	104 MG/L		-							101 MG/L		-			
CHROMIUM	.0312 MG/L		-							.0044 MG/L		U			
COBALT	.01 MG/L		U												
COPPER	.01 MG/L		U							.0078 MG/L		U			
IRON	2.46 MG/L		-							2.24 MG/L		-			
LEAD	.002 MG/L		U							.0011 MG/L		UJ			
MAGNESIUM	26.8 MG/L		-							25.1 MG/L		-			
MANGANESE	.184 MG/L		-							.149 MG/L		J			
MERCURY	.0002 MG/L		U							.0002 MG/L		U			

SAMPLE NUMBER:	038313			038313			038314			038261			038261		
LAB:	IT			IT			WEMCO			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.01 MG/L		U							.0115 MG/L		U			
NICKEL	.0249 MG/L		-							.0444 MG/L		U			
POTASSIUM	2.44 MG/L		-							2.31 MG/L		U			
SELENIUM	.003 MG/L		U							.0011 MG/L		U			
SILICON	5.34 MG/L		-							4.93 MG/L		-			
SILVER	.0258 MG/L		-							.0044 MG/L		U			
SODIUM	9.04 MG/L		-							9.24 MG/L		-			
VANADIUM	.0163 MG/L		-							.0067 MG/L		U			
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U							.2 PCI/L	.11	UNV			
URANIUM, TOTAL	1 UG/L		U				.7 UG/L		NV	.41 UG/L	.1	NV			
URANIUM-234	1 PCI/L		U							.25 PCI/L	.15	NV			
THORIUM-230	1.21 PCI/L	.79	J							.28 PCI/L	.18	NV			
RADIUM-226	1 PCI/L		U												
URANIUM-235/236	1 PCI/L		U							.2 PCI/L	.02	UNV			
THORIUM-232	1 PCI/L		U							.2 PCI/L	.09	UNV			
THORIUM, TOTAL	6.4 UG/L		U							.5 UG/L	.16	UNV			
RADIUM-228	3 PCI/L		U												
THORIUM-228	1 PCI/L		U							.65 PCI/L	.45	NV			
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		U							.5 PCI/L	.14	UNV			
PLUTONIUM-238	1 PCI/L		U							.69 PCI/L	.3	NV			
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U												
RUTHENIUM-106	150 PCI/L		U												
CESIUM-137	20 PCI/L		U												
GROSS ALPHA	3.9 PCI/L		UNV							3.45 PCI/L	1.89	NV			
GROSS BETA	4.13 PCI/L	2.57	NV							4.6 PCI/L	2.8	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	038262	GW930519-2	GW930519-2	GW930519-2	GW930519-2
TASK:	50.03.08	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	WEMCO	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	2171	2383	2383	2383	2383
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-APR-92	19-MAY-93	19-MAY-93	19-MAY-93	19-MAY-93
NORTH COORDINATE:	479937.91	480500.26	480500.26	480500.26	480500.26
EAST COORDINATE:	1382076.33	1377374.38	1377374.38	1377374.38	1377374.38
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238				1.4 PCI/L	.4	J	1.2 PCI/L	.4	J						
URANIUM, TOTAL	.8 UG/L		NV	3.3 UG/L	.2	-	3.3 UG/L	.2	-	2.9 UG/L		UNV	2.8 UG/L		UNV
URANIUM-234				1.7 PCI/L	.4	J	1.7 PCI/L	.4	J						
THORIUM-230				.2 PCI/L	.3	UJ	.2 PCI/L	.1	UJ						
RADIUM-226				1 PCI/L	.6	U	1 PCI/L	.3	UJ						
URANIUM-235/236				.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ						
THORIUM-232				.2 PCI/L	.2	UJ	.2 PCI/L	.1	U						
RADIUM-228				3 PCI/L	1.1	U	3 PCI/L	1	U						
THORIUM-228				.2 PCI/L	.2	UJ	.2 PCI/L	.1	U						
GROSS ALPHA				6.1 PCI/L	1.5	NV	3.7 PCI/L	2.2	NV						
GROSS BETA				5.5 PCI/L	1.6	NV	5.9 PCI/L	1.9	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930519-2	GW930519-2	004190	004190	004294
TASK:	50.03.23	50.03.23	3.2.4	3.2.4	3.2.4
LAB:	NET	NET	IT	IT	IT
WELL OR BORING NUMBER:	2383	2383	2383	2383	2383
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-MAY-93	19-MAY-93	23-APR-90	23-APR-90	28-JUN-90
NORTH COORDINATE:	480500.26	480500.26	480500.26	480500.26	480500.26
EAST COORDINATE:	1377374.38	1377374.38	1377374.38	1377374.38	1377374.38
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				288 MG/L		-									
AMMONIA				.02 MG/L		U				.1 MG/L		U			
BICARBONATE ALKALINITY				366 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				23 MG/L		-				22 MG/L		J			
FLUORIDE				.15 MG/L		-				.1 MG/L		U			
NITRATE				.02 MG/L		U				1 MG/L		J			
NITRATE/NITRITE				.02 MG/L		U									
PH				7.4 SU		-				.013 MG/L		-			
PHENOLS				.072 MG/L		J				.013 MG/L		-			
PHOSPHORUS				.306 MG/L		U				.02 MG/L		-			
SPECIFIC CONDUCTIVITY				583 UMHOS/CM		-									
SULFATE				226 MG/L		-				265 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL DISSOLVED SOLIDS	595 MG/L		-												
TOTAL KJELDAHL NITROGEN				.66 MG/L		-									
TOTAL ORGANIC CARBON				1 MG/L		U				1 MG/L		U			
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.66 MG/L		-				.1 MG/L		J			
TOTAL SOLIDS				602 MG/L		-									
INORGANICS															
ALUMINUM	.02 MG/L		U	.02 MG/L		U	.087 MG/L		-				.088 MG/L		-
ANTIMONY	.045 MG/L		U	.045 MG/L		UJ									
ARSENIC	.002 MG/L		U	.002 MG/L		UJ	.002 MG/L		U				.002 MG/L		U
BARIUM	.0314 MG/L		-	.0364 MG/L		-	.048 MG/L		-				.04 MG/L		-

SAMPLE NUMBER:	GW930519-2			GW930519-2			004190			004190			004294		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									
CADMIUM	.003 MG/L		U	.003 MG/L		U	.004 MG/L		-				.004 MG/L		-
CALCIUM	128 MG/L		-	130 MG/L		-	155 MG/L		-				110 MG/L		-
CHROMIUM	.005 MG/L		U	.005 MG/L		U	.021 MG/L		-				.032 MG/L		-
COBALT	.008 MG/L		U	.008 MG/L		U									
COPPER	.0038 MG/L		U	.003 MG/L		U	.011 MG/L		-				.01 MG/L		U
CYANIDE	.01 MG/L		U	.01 MG/L		U									
IRON	.572 MG/L		-	2.77 MG/L		J	1.78 MG/L		-				.628 MG/L		-
LEAD	.001 MG/L		UJ	.001 MG/L		J	.002 MG/L		U				.002 MG/L		U
MAGNESIUM	31.3 MG/L		-	33.7 MG/L		-	37 MG/L		-				28.9 MG/L		-
MANGANESE	.209 MG/L		-	.293 MG/L		J	.348 MG/L		-				.175 MG/L		-
MERCURY	.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U				.0002 MG/L		UJ
MOLYBDENUM							.01 MG/L		-				.01 MG/L		U
NICKEL	.02 MG/L		U	.02 MG/L		U	.02 MG/L		U				.02 MG/L		U
POTASSIUM	2.22 MG/L		-	2.84 MG/L		U	2.8 MG/L		-				2.37 MG/L		-
SELENIUM	.0012 MG/L		UJ	.001 MG/L		U	.003 MG/L		U				.002 MG/L		U
SILICON							2.5 MG/L		-				4.66 MG/L		-
SILVER	.007 MG/L		U	.007 MG/L		U	.01 MG/L		-				.017 MG/L		-
SODIUM	7.86 MG/L		-	8.92 MG/L		-	8 MG/L		-				8.19 MG/L		-
THALLIUM	.002 MG/L		U	.002 MG/L		U									
VANADIUM	.003 MG/L		U	.003 MG/L		U	.015 MG/L		-				.016 MG/L		-
ZINC	.005 MG/L		U	.014 MG/L		U									
RADIONUCLIDES															
URANIUM-238										1 PCI/L		U			
URANIUM, TOTAL										3.13 UG/L	.93	J			
URANIUM-234										2.89 PCI/L	.54	-			
THORIUM-230										1 PCI/L		U			
RADIUM-226										1 PCI/L		UJ			
URANIUM-235/236										1 PCI/L		U			
THORIUM-232										1 PCI/L		U			
THORIUM, TOTAL										1.4 UG/L		UJ			
RADIUM-228										3 PCI/L		UJ			
THORIUM-228										1 PCI/L		U			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		UJ			
TECHNETIUM-99										30 PCI/L		R			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			

SAMPLE NUMBER:	GW930519-2			GW930519-2			004190			004190			004294		
LAB:	NET			NET			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		UJ									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		UJ									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004294	004189	004189	GW930520-7	GW930520-7
TASK:	3.2.4	3.2.4	3.2.4	50.03.23	50.03.23
LAB:	IT	IT	IT	CORE	CORE
WELL OR BORING NUMBER:	2383	2384	2384	2384	2384
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JUN-90	11-APR-90	11-APR-90	20-MAY-93	20-MAY-93
NORTH COORDINATE:	480500.26	479054.45	479054.45	479054.45	479054.45
EAST COORDINATE:	1377374.38	1377550.69	1377550.69	1377550.69	1377550.69
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U				.1 MG/L		U						
CHLORIDE	11.8 MG/L		-				39 MG/L		-						
FLUORIDE	.05 MG/L		-				.118 MG/L		-						
NITRATE	1.1 MG/L		J				6.87 MG/L		J						
PHENOLS	.01 MG/L		-				.012 MG/L		-						
PHOSPHORUS	.04 MG/L		-				.11 MG/L		J						
SULFATE	77 MG/L		-				135.3 MG/L		-						
SULFIDE	.5 MG/L		UJ				.5 MG/L		U						
TOTAL ORGANIC CARBON	1.8 MG/L		-												
TOTAL ORGANIC HALIDES	.01 MG/L		U				.01 MG/L		UJ						
TOTAL ORGANIC NITROGEN	.21 MG/L		-				.1 MG/L		U						
INORGANICS															
ALUMINUM				.152 MG/L		-									
ARSENIC				.002 MG/L		U									
BARIUM				.102 MG/L		-									
CADMIUM				.006 MG/L		-									
CALCIUM				149 MG/L		-									
CHROMIUM				.045 MG/L		-									
COPPER				.01 MG/L		U									
IRON				.076 MG/L		-									
LEAD				.005 MG/L		-									
MAGNESIUM				42.2 MG/L		-									
MANGANESE				.029 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.01 MG/L		U									

SAMPLE NUMBER:	004294			004189			004189			GW930520-7			GW930520-7		
LAB:	IT			IT			IT			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.02 MG/L		U									
POTASSIUM				2.88 MG/L		-									
SELENIUM				.002 MG/L		UJ									
SILICON				5.99 MG/L		-									
SILVER				.014 MG/L		-									
SODIUM				47.1 MG/L		-									
VANADIUM				.025 MG/L		-									
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				.359 PCI/L	.136	U	.7 PCI/L	.3	J	1.2 PCI/L	.4	J
URANIUM, TOTAL	2.92 UG/L	.31	J				1.11 UG/L	.446	J	1.6 UG/L	.1	-	1.8 UG/L	.1	-
URANIUM-234	1.2 PCI/L	.31	J				.698 PCI/L	.189	U	.9 PCI/L	.3	J	.9 PCI/L	.4	J
THORIUM-230	1.79 PCI/L	.45	J				.346 PCI/L	2.34	U	.2 PCI/L	.3	UJ	.3 PCI/L	.1	UJ
RADIUM-226	1 PCI/L		UJ				.381 PCI/L	.172	R	1 PCI/L	.7	UJ	1 PCI/L	.3	UJ
URANIUM-235/236	1 PCI/L		U				.2 PCI/L	.0872	U	.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ
THORIUM-232	1 PCI/L		U				.2 PCI/L	.137	U	.2 PCI/L	.2	UJ	.3 PCI/L	.1	U
THORIUM, TOTAL	2.47 UG/L	1.68	-				.5 UG/L	1.24	U						
RADIUM-228	3 PCI/L		UJ				.0945 PCI/L	.933	R	3 PCI/L	1.1	UJ	3 PCI/L	1.1	U
THORIUM-228	1.57 PCI/L	.41	J				.2 PCI/L	.171	U	.2 PCI/L	.2	UJ	.2 PCI/L	.1	U
NEPTUNIUM-237	1 PCI/L		UJ				.5 PCI/L	.0394	U						
PLUTONIUM-239/240	1 PCI/L		UJ				.5 PCI/L	.0472	U						
PLUTONIUM-238	1 PCI/L		UJ				.5 PCI/L	.0542	U						
STRONTIUM-90	5 PCI/L		U				1.33 PCI/L	5.9	R						
TECHNETIUM-99	30 PCI/L		UJ				-4.56 PCI/L	14.71	R						
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		R						
CESIUM-137	20 PCI/L		R				20 PCI/L		R						
GROSS ALPHA										4.2 PCI/L	2.5	UNV	4.7 PCI/L	2.7	UNV
GROSS BETA										3.7 PCI/L	2.3	UNV	4.7 PCI/L	2.7	UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930520-7	GW930520-7	GW930520-7	GW930520-7	004296
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.2.4
LAB:	FERMCO	FERMCO	LOCKHEED	LOCKHEED	IT
WELL OR BORING NUMBER:	2384	2384	2384	2384	2384
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-MAY-93	20-MAY-93	20-MAY-93	20-MAY-93	27-JUN-90
NORTH COORDINATE:	479054.45	479054.45	479054.45	479054.45	479054.45
EAST COORDINATE:	1377550.69	1377550.69	1377550.69	1377550.69	1377550.69
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										360 MG/L		-			
AMMONIA										.05 MG/L		U			
BICARBONATE ALKALINITY										360 MG/L		-			
CARBONATE ALKALINITY										30 MG/L		U			
CHLORIDE										89 MG/L		-			
FLUORIDE										.16 MG/L		-			
NITRATE/NITRITE										4.4 MG/L		-			
PH										7.5 SU		-			
PHENOLS										.15 MG/L		U			
PHOSPHORUS										.03 MG/L		U			
SPECIFIC CONDUCTIVITY										1100 UMHOS/CM		-			
SULFATE										110 MG/L		-			
TOTAL DISSOLVED SOLIDS							690 MG/L		-						
TOTAL ORGANIC CARBON										1.3 MG/L		-			
TOTAL ORGANIC HALIDES										.085 MG/L		-			
TOTAL ORGANIC NITROGEN										0 MG/L		U			
TOTAL SOLIDS										700 MG/L		-			
INORGANICS															
ALUMINUM							.024 MG/L		U	.024 MG/L		U	.075 MG/L		J
ANTIMONY							.027 MG/L		U	.027 MG/L		U			
ARSENIC							.002 MG/L		U	.002 MG/L		U	2 MG/L		UJ
BARIUM							.0897 MG/L		-	.104 MG/L		-	.109 MG/L		J
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.002 MG/L		U	.002 MG/L		U	.006 MG/L		J
CALCIUM							146 MG/L		-	159 MG/L		-	168 MG/L		J

SAMPLE NUMBER:	GW930520-7			GW930520-7			GW930520-7			GW930520-7			004296		
LAB:	FERMCO			FERMCO			LOCKHEED			LOCKHEED			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM							.004 MG/L		U	.0201 MG/L		-	.041 MG/L		J
COBALT							.005 MG/L		U	.005 MG/L		U			
COPPER							.0032 MG/L		U	.003 MG/L		U	.013 MG/L		J
CYANIDE							.02 MG/L		U	.02 MG/L		U			
IRON							.005 MG/L		U	.338 MG/L		-	.113 MG/L		J
LEAD							.002 MG/L		UJ	.002 MG/L		UJ	.004 MG/L		J
MAGNESIUM							39.1 MG/L		-	43 MG/L		-	46.5 MG/L		J
MANGANESE							.001 MG/L		U	.0027 MG/L		-	.017 MG/L		J
MERCURY							.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		UJ
MOLYBDENUM							.011 MG/L		U	.011 MG/L		U	.01 MG/L		UJ
NICKEL							.0201 MG/L		-	.0269 MG/L		-	.03 MG/L		J
POTASSIUM							2.92 MG/L		-	3.31 MG/L		-	2.88 MG/L		J
SELENIUM							.001 MG/L		UJ	.001 MG/L		UJ	.002 MG/L		UJ
SILICON													6.14 MG/L		J
SILVER							.004 MG/L		U	.004 MG/L		U	.023 MG/L		J
SODIUM							43.7 MG/L		-	47.8 MG/L		-	30.7 MG/L		J
THALLIUM							.003 MG/L		UJ	.003 MG/L		UJ			
VANADIUM							.004 MG/L		U	.004 MG/L		U	.017 MG/L		J
ZINC							.003 MG/L		U	.0141 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL	1.2 UG/L		UNV	1.1 UG/L		UNV									
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		UJ			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			

SAMPLE NUMBER:	GW930520-7			GW930520-7			GW930520-7			GW930520-7			004296		
LAB:	FERMCO			FERMCO			LOCKHEED			LOCKHEED			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004296	004192	004192	004303	004303
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2384	2385	2385	2385	2385
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-JUN-90	06-MAY-90	06-MAY-90	10-JUL-90	10-JUL-90
NORTH COORDINATE:	479054.45	477886.51	477886.51	477886.51	477886.51
EAST COORDINATE:	1377550.69	1379923.25	1379923.25	1379923.25	1379923.25
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UJ				.1 MG/L		U				.1 MG/L		UJ
CHLORIDE	33.2 MG/L		J				10.7 MG/L		-				10.4 MG/L		-
FLUORIDE	.05 MG/L		UJ				.24 MG/L		-				.05 MG/L		UJ
NITRATE	5.82 MG/L		J				1.26 MG/L		J				.33 MG/L		R
PHENOLS	.01 MG/L		UJ				.01 MG/L		U				.01 MG/L		UJ
PHOSPHORUS	.02 MG/L		UJ				.4 MG/L		-				.02 MG/L		UJ
SULFATE	152 MG/L		J				96.8 MG/L		-				91.7 MG/L		-
SULFIDE	.5 MG/L		UJ				.5 MG/L		U				.5 MG/L		UJ
TOTAL ORGANIC CARBON	2.05 MG/L		J				62 MG/L		-				2.89 MG/L		-
TOTAL ORGANIC HALIDES	.096 MG/L		J				.01 MG/L		UJ				.013 MG/L		-
TOTAL ORGANIC NITROGEN	.18 MG/L		J				.1 MG/L		UJ				.17 MG/L		-
INORGANICS															
ALUMINUM				.1 MG/L		-				.07 MG/L		-			
ARSENIC				.002 MG/L		U				.002 MG/L		UJ			
BARIUM				.064 MG/L		-				.071 MG/L		-			
CADMIUM				.008 MG/L		-				.006 MG/L		-			
CALCIUM				146 MG/L		-				136 MG/L		-			
CHROMIUM				.041 MG/L		-				.038 MG/L		-			
COPPER				.015 MG/L		-				.012 MG/L		-			
IRON				.044 MG/L		-				.163 MG/L		-			
LEAD				.002 MG/L		U				.002 MG/L		U			
MAGNESIUM				44.2 MG/L		-				40.6 MG/L		-			
MANGANESE				.33 MG/L		-				.198 MG/L		-			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.014 MG/L		-				.01 MG/L		UJ			

SAMPLE NUMBER:	004296			004192			004192			004303			004303		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.042 MG/L		-				.023 MG/L		-			
POTASSIUM				1.87 MG/L		-				2.86 MG/L		-			
SELENIUM				.002 MG/L		U				.002 MG/L		U			
SILICON				6.01 MG/L		-				5.61 MG/L		-			
SILVER				.026 MG/L		-				.018 MG/L		-			
SODIUM				12.6 MG/L		-				12.3 MG/L		-			
VANADIUM				.022 MG/L		-				.016 MG/L		-			
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				51.4 PCI/L	6.8	J				36.2 PCI/L	4.7	J
URANIUM, TOTAL	1.51 UG/L	.16	R				204 UG/L	24	J				108 UG/L	14	J
URANIUM-234	1 PCI/L		U				51.4 PCI/L	6.8	J				34.8 PCI/L	4.5	J
THORIUM-230	3.44 PCI/L	.72	J				1.78 PCI/L	.91	J				1 PCI/L		UJ
RADIUM-226	1 PCI/L		R				1.23 PCI/L	.28	NV				1 PCI/L		UJ
URANIUM-235/236	1 PCI/L		U				1.78 PCI/L	.53	J				1.81 PCI/L	.54	J
THORIUM-232	1 PCI/L		U				1.49 PCI/L	.84	J				1 PCI/L		UJ
THORIUM, TOTAL	2.5 UG/L		U				13.5 UG/L	7.6	J				1.9 UG/L		UJ
RADIUM-228	3 PCI/L		R				3 PCI/L		UJ				3 PCI/L		UJ
THORIUM-228	1.52 PCI/L	.43	J				1 PCI/L		UJ				1.16 PCI/L	.32	J
NEPTUNIUM-237	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		UJ
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U				1 PCI/L		R
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		R
STRONTIUM-90	5 PCI/L		R				5 PCI/L		UJ				5 PCI/L		U
TECHNETIUM-99	34.3 PCI/L		UJ				30 PCI/L		UJ				30 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		UJ						
CESIUM-137	20 PCI/L		R				20 PCI/L		UJ						
GROSS ALPHA													72.3 PCI/L	17.1	NV
GROSS BETA													52.9 PCI/L	8.8	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930811-4	GW930811-4	GW930811-4	GW930811-4	111998
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	20.03.05
LAB:	CORE	FERMCO	NET	NET	IT
WELL OR BORING NUMBER:	2385	2385	2385	2385	2385
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-AUG-93	11-AUG-93	11-AUG-93	11-AUG-93	28-APR-93
NORTH COORDINATE:	477886.51	477886.51	477886.51	477886.51	477886.51
EAST COORDINATE:	1379923.25	1379923.25	1379923.25	1379923.25	1379923.25
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										394 MG/L		-			
BICARBONATE ALKALINITY										500 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
PH										7.09 SU		-			
SPECIFIC CONDUCTIVITY										765 UMHOS/CM		-			
TOTAL DISSOLVED SOLIDS							576 MG/L		-						
TOTAL SOLIDS										650 MG/L		-			
INORGANICS															
ALUMINUM													.0841 MG/L		U
ANTIMONY													.001 MG/L		U
ARSENIC													.001 MG/L		U
BARIUM													.0695 MG/L		-
BERYLLIUM													.0036 MG/L		U
CADMIUM													.002 MG/L		U
CALCIUM													132 MG/L		-
CHROMIUM													.004 MG/L		U
COBALT													.003 MG/L		U
COPPER													.0033 MG/L		U
IRON													.0093 MG/L		U
LEAD													.001 MG/L		U
MAGNESIUM													40.3 MG/L		-
MANGANESE													.0695 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.003 MG/L		U
NICKEL													.0042 MG/L		-

SAMPLE NUMBER:	GW930811-4			GW930811-4			GW930811-4			GW930811-4			111998		
LAB:	CORE			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM													2.96 MG/L		-
SELENIUM													.0033 MG/L		J
SILICON													5.79 MG/L		-
SILVER													.002 MG/L		U
SODIUM													11.4 MG/L		-
THALLIUM													.001 MG/L		U
VANADIUM													.0116 MG/L		U
ZINC													.0051 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	126 UG/L	8.8	J	130 UG/L		NV									
RADIUM-226	1.4 PCI/L	.7	UJ												
RADIUM-228	3 PCI/L	1.2	U												
GROSS ALPHA	42.4 PCI/L	5.3	NV												
GROSS BETA	60.5 PCI/L	5.4	NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	111998	111998	111998	GW930428-3	GW930428-3
TASK:	20.03.05	20.03.05	20.03.05	50.03.23	50.03.23
LAB:	IT-KNOX	IT	IT/MWL	CORE	FERMCO
WELL OR BORING NUMBER:	2385	2385	2385	2385	2385
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-APR-93	28-APR-93	28-APR-93	28-APR-93	28-APR-93
NORTH COORDINATE:	477886.51	477886.51	477886.51	477886.51	477886.51
EAST COORDINATE:	1379923.25	1379923.25	1379923.25	1379923.25	1379923.25
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				370 MG/L		-									
AMMONIA				.1 MG/L		U									
CHLORIDE				21.03 MG/L		-									
FLUORIDE				.12 MG/L		-									
NITRATE				1.57 MG/L		J									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.06 MG/L		-									
SULFATE				87.7 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL KJELDAHL NITROGEN				.19 MG/L		-									
TOTAL ORGANIC CARBON				1 MG/L		U									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.19 MG/L		-									
INORGANICS															
CYANIDE				.001 MG/L		U									
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.05 UG/L		U									
AROCLOR-1016				1 UG/L		U									

SAMPLE NUMBER:	111998			111998			111998			GW930428-3			GW930428-3		
LAB:	IT-KNOX			IT			IT/MWL			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
AROCLOR-1221				2 UG/L		U									
AROCLOR-1232				1 UG/L		U									
AROCLOR-1242				1 UG/L		U									
AROCLOR-1248				1 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN ALDEHYDE				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.05 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				5 UG/L		U									
RADIONUCLIDES															
URANIUM-238				37.1 PCI/L	8	-				37.7 PCI/L	6.5	-			
URANIUM, TOTAL				98.7 UG/L	13.4	-				82.2 UG/L	5.8	-	100 UG/L		NV
URANIUM-234				33.7 PCI/L	7.3	-				34.1 PCI/L	5.9	-			
THORIUM-230				.211 PCI/L	.126	J				.3 PCI/L	.1	U			
RADIUM-226				1 PCI/L		UJ				1 PCI/L	.3	UJ			
URANIUM-235/236				1.69 PCI/L	.54	-				1.1 PCI/L	.8	-			
THORIUM-232				.2 PCI/L		UJ				.2 PCI/L	.1	U			
THORIUM, TOTAL				.75 UG/L	.48	UJ									
RADIUM-228				3.29 PCI/L		UJ				3 PCI/L	1.1	U			
THORIUM-228				.2 PCI/L		UJ				.3 PCI/L	.1	-			
NEPTUNIUM-237				.5 PCI/L	.127	U									
PLUTONIUM-239/240				.5 PCI/L		UJ									
PLUTONIUM-238				.637 PCI/L	.243	J									
STRONTIUM-90				1 PCI/L		UJ									
TECHNETIUM-99				15 PCI/L		UJ									
RUTHENIUM-106				150 PCI/L		UJ									
CESIUM-137				17 PCI/L		UJ									
GROSS ALPHA				49.7 PCI/L	14.8	J				61.8 PCI/L	6.7	NV			

SAMPLE NUMBER:	111998			111998			111998			GW930428-3			GW930428-3		
LAB:	IT-KNOX			IT			IT/MWL			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
GROSS BETA				25.5 PCI/L	7.9	J				46 PCI/L	4.6	NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	25 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	25 UG/L		U												
2,4-DINITROTOLUENE	10 UG/L		U												
2,6-DINITROTOLUENE	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												
2-NITROANILINE	25 UG/L		U												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	10 UG/L		UJ												
3-NITROANILINE	25 UG/L		UJ												
4,6-DINITRO-2-METHYLPHENOL	25 UG/L		U												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	25 UG/L		UR												
4-NITROPHENOL	25 UG/L		UR												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		UJ												
BENZOIC ACID	50 UG/L		U												
BENZYL ALCOHOL	10 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												

SAMPLE NUMBER:	111998			111998			111998			GW930428-3			GW930428-3		
LAB:	IT-KNOX			IT			IT/MWL			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UJ												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CARBAZOLE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		UJ												
DI-N-OCTYL PHTHALATE	10 UG/L		UJ												
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		UJ												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		UJ												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U												
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		UR												
PENTACHLOROPHENOL	25 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U	.01 MG/L		U									
PYRENE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		UJ						

SAMPLE NUMBER:	111998			111998			111998			GW930428-3			GW930428-3		
LAB:	IT-KNOX			IT			IT/MWL			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		U						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		UJ						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		UJ						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930428-3	GW930428-3	GW930428-3	GW930507-2	GW930507-2
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	FERMCO	NET	NET	CORE	CORE
WELL OR BORING NUMBER:	2385	2385	2385	2386	2386
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-APR-93	28-APR-93	28-APR-93	07-MAY-93	07-MAY-93
NORTH COORDINATE:	477886.51	477886.51	477886.51	477633.9	477633.9
EAST COORDINATE:	1379923.25	1379923.25	1379923.25	1380783.98	1380783.98
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							404 MG/L		-						
BICARBONATE ALKALINITY							494 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
PH							7.4 SU		-						
SPECIFIC CONDUCTIVITY							862 UMHOS/CM		-						
TOTAL DISSOLVED SOLIDS				566 MG/L		-									
TOTAL SOLIDS							703 MG/L		-						
INORGANICS															
ALUMINUM							.297 MG/L		-						
ANTIMONY							.045 MG/L		U						
ARSENIC							.002 MG/L		UJ						
BARIUM							.0872 MG/L		-						
BERYLLIUM							.001 MG/L		U						
CADMIUM							.003 MG/L		U						
CALCIUM							146 MG/L		-						
CHROMIUM							.0396 MG/L		-						
COBALT							.008 MG/L		U						
COPPER							.0152 MG/L		U						
CYANIDE				.01 MG/L		UR									
IRON							1.66 MG/L		-						
LEAD							.001 MG/L		UJ						
MAGNESIUM							42 MG/L		-						
MANGANESE							1.22 MG/L		-						
MERCURY							.0002 MG/L		U						
NICKEL							.0489 MG/L		-						

SAMPLE NUMBER:	GW930428-3			GW930428-3			GW930428-3			GW930507-2			GW930507-2		
LAB:	FERMCO			NET			NET			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
POTASSIUM							2.69 MG/L		-						
SELENIUM							.0065 MG/L		J						
SILVER							.007 MG/L		UJ						
SODIUM							10.8 MG/L		-						
THALLIUM							.002 MG/L		U						
VANADIUM							.003 MG/L		U						
ZINC							.0099 MG/L		-						
RADIONUCLIDES															
URANIUM-238										4.5 PCI/L	.9	R	2.9 PCI/L	.5	J
URANIUM, TOTAL	96 UG/L		NV							15.6 UG/L	1.1	-	14.8 UG/L	1	-
URANIUM-234										4.4 PCI/L	.9	R	3.4 PCI/L	.5	J
THORIUM-230										.3 PCI/L	.3	UJ	.2 PCI/L	.1	U
RADIUM-226										1.3 PCI/L	.4	J	1 PCI/L	.3	UJ
URANIUM-235/236										.2 PCI/L	.2	R	.2 PCI/L	.1	UJ
THORIUM-232										.5 PCI/L	.1	-	.5 PCI/L	.1	-
THORIUM, TOTAL										.9120244 PCI/L	.3	NV	4.56 PCI/L	.1	NV
RADIUM-228										3 PCI/L	1	UJ	3 PCI/L	1.1	U
THORIUM-228										.2 PCI/L	.5	UJ	.2 PCI/L	.1	U
GROSS ALPHA										3.2 PCI/L	2	UNV	6.2 PCI/L	1.9	NV
GROSS BETA										8.6 PCI/L	1.9	NV	8.6 PCI/L	1.6	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930507-2	GW930507-2	GW930507-2	GW930507-2	004196
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.2.4
LAB:	DATACHEM	DATACHEM	FERMCO	FERMCO	IT
WELL OR BORING NUMBER:	2386	2386	2386	2386	2386
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-MAY-93	07-MAY-93	07-MAY-93	07-MAY-93	10-MAY-90
NORTH COORDINATE:	477633.9	477633.9	477633.9	477633.9	477633.9
EAST COORDINATE:	1380783.98	1380783.98	1380783.98	1380783.98	1380783.98
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				220 MG/L		-									
AMMONIA				.05 MG/L		U									
BICARBONATE ALKALINITY				280 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				28 MG/L		-									
FLUORIDE				.3 MG/L		-									
NITRATE/NITRITE				.65 MG/L		-									
PH				7.7 SU		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.12 MG/L		-									
SPECIFIC CONDUCTIVITY				590 UMHOS/CM		-									
SULFATE				52 MG/L		-									
TOTAL DISSOLVED SOLIDS	350 MG/L		-												
TOTAL KJELDAHL NITROGEN				.2 MG/L		-									
TOTAL ORGANIC CARBON				1 MG/L		-									
TOTAL ORGANIC HALIDES				.01 MG/L		UJ									
TOTAL SOLIDS				360 MG/L		-									
INORGANICS															
ALUMINUM	.014 MG/L		U	.014 MG/L		U							.092 MG/L		J
ANTIMONY	.045 MG/L		U	.045 MG/L		U									
ARSENIC	.001 MG/L		U	.001 MG/L		U							.002 MG/L		U
BARIUM	.0787 MG/L		-	.0822 MG/L		-							.058 MG/L		J
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									
CADMIUM	.003 MG/L		U	.003 MG/L		U							.005 MG/L		J
CALCIUM	77.4 MG/L		-	77 MG/L		-							68.3 MG/L		J

SAMPLE NUMBER:	GW930507-2			GW930507-2			GW930507-2			GW930507-2			004196		
LAB:	DATACHEM			DATACHEM			FERMCO			FERMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM	.004 MG/L		U	.004 MG/L		U							.016 MG/L		J
COBALT	.006 MG/L		U	.006 MG/L		U									
COPPER	.0052 MG/L		U	.004 MG/L		U							.01 MG/L		J
CYANIDE	.01 MG/L		U	.01 MG/L		U									
IRON	.015 MG/L		U	.0213 MG/L		U							.019 MG/L		J
LEAD	.001 MG/L		U	.0022 MG/L		J							.002 MG/L		UJ
MAGNESIUM	20.9 MG/L		-	20.9 MG/L		-							20.8 MG/L		J
MANGANESE	.001 MG/L		U	.001 MG/L		U							.012 MG/L		J
MERCURY	.0002 MG/L		U	.0002 MG/L		U							.0002 MG/L		UJ
MOLYBDENUM													.011 MG/L		J
NICKEL	.019 MG/L		U	.019 MG/L		U							.026 MG/L		J
POTASSIUM	2.64 MG/L		U	2.55 MG/L		U							1.42 MG/L		-
SELENIUM	.002 MG/L		U	.002 MG/L		U							.002 MG/L		UJ
SILICON													4.38 MG/L		J
SILVER	.003 MG/L		UJ	.003 MG/L		UJ							.018 MG/L		J
SODIUM	19.3 MG/L		-	18.8 MG/L		-							19.8 MG/L		J
THALLIUM	.001 MG/L		U	.001 MG/L		U									
VANADIUM	.004 MG/L		U	.004 MG/L		U							.017 MG/L		J
ZINC	.0128 MG/L		J	.0116 MG/L		J									
RADIONUCLIDES															
URANIUM, TOTAL							10 UG/L		NV	13 UG/L		NV			
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		UJ									
ACETONE				10 UG/L		UJ									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									

SAMPLE NUMBER:	GW930507-2			GW930507-2			GW930507-2			GW930507-2			004196		
LAB:	DATACHEM			DATACHEM			FERMCO			FERMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004196			004306			004306			GW930424-3			GW930424-3		
TASK:	3.2.4			3.2.4			3.2.4			50.03.23			50.03.23		
LAB:	IT			IT			IT			CORE			CORE		
WELL OR BORING NUMBER:	2386			2386			2386			2386			2386		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	10-MAY-90			11-JUL-90			11-JUL-90			24-APR-93			24-APR-93		
NORTH COORDINATE:	477633.9			477633.9			477633.9			477633.9			477633.9		
EAST COORDINATE:	1380783.98			1380783.98			1380783.98			1380783.98			1380783.98		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U				.01 MG/L		U						
CHLORIDE	16.8 MG/L		-				10.7 MG/L		-						
FLUORIDE	.37 MG/L		-				.13 MG/L		-						
NITRATE	.51 MG/L		R				.15 MG/L		J						
PHENOLS	.01 MG/L		U				.01 MG/L		UJ						
PHOSPHORUS	1.64 MG/L		-				.08 MG/L		-						
SULFATE	51.3 MG/L		-				40.3 MG/L		-						
SULFIDE	.02 MG/L		J				.5 MG/L		U						
TOTAL ORGANIC CARBON	25 MG/L		J				3.34 MG/L		-						
TOTAL ORGANIC HALIDES	.01 MG/L		U				.181 MG/L		-						
TOTAL ORGANIC NITROGEN	.17 MG/L		J				.2 MG/L		-						
INORGANICS															
ALUMINUM				.064 MG/L		-									
ARSENIC				.002 MG/L		U									
BARIUM				.062 MG/L		-									
CADMIUM				.004 MG/L		-									
CALCIUM				67.1 MG/L		-									
CHROMIUM				.025 MG/L		-									
COPPER				.01 MG/L		U									
IRON				.038 MG/L		-									
LEAD				.002 MG/L		U									
MAGNESIUM				20.4 MG/L		-									
MANGANESE				.029 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.01 MG/L		U									

SAMPLE NUMBER:	004196			004306			004306			GW930424-3			GW930424-3		
LAB:	IT			IT			IT			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.02 MG/L		U									
POTASSIUM				1.84 MG/L		-									
SELENIUM				.002 MG/L		U									
SILICON				3.87 MG/L		-									
SILVER				.013 MG/L		-									
SODIUM				15.9 MG/L		-									
VANADIUM				.013 MG/L		-									
RADIONUCLIDES															
URANIUM-238	1.51 PCI/L	.35	-				2.57 PCI/L	.52	J	4 PCI/L	.5	J	5 PCI/L	.7	-
URANIUM, TOTAL	6.67 UG/L	.71	-				7.84 UG/L	1.63	J	16.2 UG/L	1.1	-	17.2 UG/L	1.2	-
URANIUM-234	1.7 PCI/L	.37	-				2.93 PCI/L	.56	J	4 PCI/L	.5	J	3.9 PCI/L	.6	-
THORIUM-230	1 PCI/L		U				1.14 PCI/L	.51	J	.2 PCI/L	.3	UJ	.4 PCI/L	.2	U
RADIUM-226							1 PCI/L		UJ	1 PCI/L	.3	U	1 PCI/L	.5	UJ
URANIUM-235/236	1 PCI/L		U				1 PCI/L		UJ	.2 PCI/L	.2	UJ	.2 PCI/L	.2	U
THORIUM-232	1 PCI/L		U				1 PCI/L		UJ	.2 PCI/L	.2	U	.5 PCI/L	.2	U
THORIUM, TOTAL	2 UG/L		U				4.6 UG/L		UJ	.912 PCI/L	.2	NV			
RADIUM-228	3 PCI/L		UJ				3 PCI/L		UJ	3 PCI/L	.9	U	3 PCI/L	1	U
THORIUM-228	1 PCI/L		U				2.16 PCI/L	.71	J	.2 PCI/L	.2	UJ	.3 PCI/L	.1	U
NEPTUNIUM-237	1 PCI/L		UJ				1 PCI/L		UJ						
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U						
STRONTIUM-90	5 PCI/L		R				5 PCI/L		UJ						
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		UJ						
RUTHENIUM-106	150 PCI/L		UJ												
CESIUM-137	20 PCI/L		UJ												
GROSS ALPHA							3.53 PCI/L	2.55	NV	6.9 PCI/L	1.7	NV	8.5 PCI/L	2	NV
GROSS BETA							2.4 PCI/L		UNV	14.6 PCI/L	1.9	NV	24.7 PCI/L	2.5	NV
RADIUM, TOTAL	1 PCI/L		NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930424-3			GW930424-3			GW930424-3			GW930424-3			GW930423-6		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	DATACHEM			DATACHEM			FERMCO			FERMCO			CORE		
WELL OR BORING NUMBER:	2386			2386			2386			2386			2387		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	24-APR-93			24-APR-93			24-APR-93			24-APR-93			23-APR-93		
NORTH COORDINATE:	477633.9			477633.9			477633.9			477633.9			477119.12		
EAST COORDINATE:	1380783.98			1380783.98			1380783.98			1380783.98			1380441.15		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				230 MG/L		-									
AMMONIA				.05 MG/L		UJ									
BICARBONATE ALKALINITY				280 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				28 MG/L		-									
FLUORIDE				.3 MG/L		-									
NITRATE				.56 MG/L		-									
PH				7.7 SU		-									
PHENOLS				.01 MG/L		UJ									
PHOSPHORUS				.15 MG/L		-									
SPECIFIC CONDUCTIVITY				600 UMHOS/CM		-									
SULFATE				42 MG/L		-									
TOTAL DISSOLVED SOLIDS	350 MG/L		-												
TOTAL KJELDAHL NITROGEN				.1 MG/L		-									
TOTAL ORGANIC CARBON				1 MG/L		-									
TOTAL ORGANIC HALIDES				.01 MG/L		UJ									
TOTAL SOLIDS				360 MG/L		-									
INORGANICS															
ALUMINUM	.014 MG/L		U	.0594 MG/L		U									
ANTIMONY	.045 MG/L		U	.045 MG/L		U									
ARSENIC	.001 MG/L		U	.001 MG/L		U									
BARIUM	.0808 MG/L		-	.0844 MG/L		-									
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									
CADMIUM	.003 MG/L		U	.003 MG/L		U									
CALCIUM	75.4 MG/L		-	77.4 MG/L		-									

SAMPLE NUMBER:	GW930424-3			GW930424-3			GW930424-3			GW930424-3			GW930423-6		
LAB:	DATACHEM			DATACHEM			FERMCO			FERMCO			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM	.004 MG/L		U	.004 MG/L		U									
COBALT	.006 MG/L		U	.006 MG/L		U									
COPPER	.004 MG/L		U	.004 MG/L		U									
CYANIDE	.01 MG/L		U	.01 MG/L		U									
IRON	.015 MG/L		U	.05 MG/L		U									
LEAD	.001 MG/L		U	.001 MG/L		U									
MAGNESIUM	21 MG/L		-	21.1 MG/L		-									
MANGANESE	.001 MG/L		U	.001 MG/L		U									
MERCURY	.0002 MG/L		U	.0002 MG/L		U									
NICKEL	.019 MG/L		U	.019 MG/L		U									
POTASSIUM	3.05 MG/L		U	2.71 MG/L		-									
SELENIUM	.002 MG/L		UJ	.002 MG/L		UJ									
SILVER	.003 MG/L		UJ	.003 MG/L		UJ									
SODIUM	18.3 MG/L		-	18.6 MG/L		-									
THALLIUM	.001 MG/L		U	.001 MG/L		U									
VANADIUM	.0041 MG/L		-	.0055 MG/L		U									
ZINC	.0228 MG/L		J	.0175 MG/L		J									
RADIONUCLIDES															
URANIUM-238													118 PCI/L	27.2	R
URANIUM, TOTAL							13 UG/L		NV	13 UG/L		NV	350 UG/L	24.5	-
URANIUM-234													116 PCI/L	26.8	R
THORIUM-230													.3 PCI/L	.4	UJ
RADIUM-226													1.4 PCI/L	.5	-
URANIUM-235/236													3.2 PCI/L	1.3	R
THORIUM-232													.3 PCI/L	.2	U
RADIUM-228													3 PCI/L	.9	U
THORIUM-228													.3 PCI/L	.3	UJ
GROSS ALPHA													135 PCI/L	6.6	NV
GROSS BETA													147 PCI/L	3.9	NV
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									

SAMPLE NUMBER:	GW930424-3			GW930424-3			GW930424-3			GW930424-3			GW930423-6		
LAB:	DATACHEM			DATACHEM			FERMCO			FERMCO			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930423-6			GW930423-6			GW930423-6			GW930423-6			GW930423-6		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	CORE			DATACHEM			DATACHEM			FERMCO			FERMCO		
WELL OR BORING NUMBER:	2387			2387			2387			2387			2387		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	23-APR-93			23-APR-93			23-APR-93			23-APR-93			23-APR-93		
NORTH COORDINATE:	477119.12			477119.12			477119.12			477119.12			477119.12		
EAST COORDINATE:	1380441.15			1380441.15			1380441.15			1380441.15			1380441.15		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							360 MG/L		-						
AMMONIA							.05 MG/L		UJ						
BICARBONATE ALKALINITY							450 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE							15 MG/L		-						
FLUORIDE							.6 MG/L		-						
NITRATE							1.8 MG/L		-						
PH							7.3 SU		-						
PHENOLS							.01 MG/L		UJ						
PHOSPHORUS							.11 MG/L		-						
SPECIFIC CONDUCTIVITY							930 UMHOS/CM		-						
SULFATE							130 MG/L		-						
TOTAL DISSOLVED SOLIDS				600 MG/L		-									
TOTAL KJELDAHL NITROGEN							.1 MG/L		U						
TOTAL ORGANIC CARBON							1 MG/L		U						
TOTAL ORGANIC HALIDES							.02 MG/L		J						
TOTAL SOLIDS							610 MG/L		-						
INORGANICS															
ALUMINUM				.047 MG/L		U	.0908 MG/L		U						
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.001 MG/L		U	.001 MG/L		U						
BARIUM				.0706 MG/L		-	.07 MG/L		-						
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						
CADMIUM				.003 MG/L		U	.003 MG/L		U						
CALCIUM				135 MG/L		-	135 MG/L		-						

SAMPLE NUMBER:	GW930423-6			GW930423-6			GW930423-6			GW930423-6			GW930423-6		
LAB:	CORE			DATACHEM			DATACHEM			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM				.0084 MG/L		U	.0042 MG/L		U						
COBALT				.006 MG/L		U	.006 MG/L		U						
COPPER				.004 MG/L		U	.004 MG/L		U						
CYANIDE				.01 MG/L		U	.01 MG/L		U						
IRON				.0333 MG/L		U	.192 MG/L		-						
LEAD				.001 MG/L		U	.001 MG/L		U						
MAGNESIUM				37.8 MG/L		-	37.3 MG/L		-						
MANGANESE				.001 MG/L		U	.0065 MG/L		U						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.03 MG/L		U	.019 MG/L		U						
POTASSIUM				3.28 MG/L		-	3.3 MG/L		-						
SELENIUM				.002 MG/L		UJ	.002 MG/L		UJ						
SILVER				.003 MG/L		UJ	.003 MG/L		UJ						
SODIUM				16 MG/L		-	15.9 MG/L		-						
THALLIUM				.001 MG/L		U	.001 MG/L		U						
VANADIUM				.0041 MG/L		U	.0055 MG/L		U						
ZINC				.0084 MG/L		J	.006 MG/L		U						
RADIONUCLIDES															
URANIUM-238	111 PCI/L	28.8	J												
URANIUM, TOTAL	329 UG/L	23	-							330 UG/L		NV	320 UG/L		NV
URANIUM-234	110 PCI/L	28.8	J												
THORIUM-230	1 PCI/L	.3	J												
RADIUM-226	1 PCI/L	.3	UJ												
URANIUM-235/236	5 PCI/L	2	J												
THORIUM-232	.2 PCI/L	.1	UJ												
RADIUM-228	3 PCI/L	1.4	U												
THORIUM-228	.2 PCI/L	.1	UJ												
GROSS ALPHA	177 PCI/L	9.8	NV												
GROSS BETA	129 PCI/L	5.4	NV												
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						

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SAMPLE NUMBER:	GW930423-6			GW930423-6			GW930423-6			GW930423-6			GW930423-6		
LAB:	CORE			DATACHEM			DATACHEM			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		U						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004191			004191			004298			004298			004375		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2387			2387			2387			2387			2388		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-APR-90			25-APR-90			29-JUN-90			29-JUN-90			03-FEB-91		
NORTH COORDINATE:	477119.12			477119.12			477119.12			477119.12			480483.16		
EAST COORDINATE:	1380441.15			1380441.15			1380441.15			1380441.15			1381424.85		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.1 MG/L		U			
CHLORIDE				23 MG/L		J				7.63 MG/L		-			
FLUORIDE				.8 MG/L		-				.39 MG/L		-			
NITRATE				.9 MG/L		J				1.3 MG/L		J			
PHENOLS				.027 MG/L		-				.012 MG/L		-			
PHOSPHORUS				.05 MG/L		-				.13 MG/L		-			
SULFATE				56.8 MG/L		-				59.3 MG/L		-			
SULFIDE				.5 MG/L		UJ				.5 MG/L		UJ			
TOTAL ORGANIC CARBON				1 MG/L		J				1.95 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN				.1 MG/L		-				.2 MG/L		-			
INORGANICS															
ALUMINUM	.08 MG/L		-				.102 MG/L		-				.04 MG/L		UJ
ARSENIC	.002 MG/L		U				.002 MG/L		U				.002 MG/L		U
BARIUM	.047 MG/L		-				.053 MG/L		-				.067 MG/L		-
CADMIUM	.004 MG/L		U				.005 MG/L		-				.005 MG/L		U
CALCIUM	97.3 MG/L		-				106 MG/L		-				143 MG/L		-
CHROMIUM	.023 MG/L		-				.035 MG/L		-				.01 MG/L		U
COPPER	.015 MG/L		U				.01 MG/L		-				.01 MG/L		U
IRON	.01 MG/L		U				.061 MG/L		-				2.9 MG/L		-
LEAD	.002 MG/L		U				.002 MG/L		U				.002 MG/L		UJ
MAGNESIUM	26.9 MG/L		-				29.5 MG/L		-				31.4 MG/L		-
MANGANESE	.014 MG/L		-				.029 MG/L		-				.21 MG/L		-
MERCURY	.0002 MG/L		U				.0002 MG/L		UJ				.001 MG/L		U
MOLYBDENUM	.01 MG/L		U				.01 MG/L		U				.01 MG/L		

00409

64117

SAMPLE NUMBER:	004191			004191			004298			004298			004375		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.02 MG/L		U				.02 MG/L		U				.02 MG/L		U
POTASSIUM	2.27 MG/L		-				2.19 MG/L		-				3 MG/L		U
SELENIUM	.003 MG/L		U				.002 MG/L		U				.002 MG/L		UJ
SILICON	2.1 MG/L		-				4.39 MG/L		-				5.3 MG/L		-
SILVER	.01 MG/L		U				.019 MG/L		-				.005 MG/L		U
SODIUM	14.9 MG/L		-				13.3 MG/L		-				13 MG/L		-
VANADIUM	.012 MG/L		-				.017 MG/L		-				.01 MG/L		U
RADIONUCLIDES															
URANIUM-238				122 PCI/L	18	-				108 PCI/L	20	-			
URANIUM, TOTAL				492 UG/L	62	-				293 UG/L	41	J			
URANIUM-234				123 PCI/L	18	-				111 PCI/L	21	J			
THORIUM-230				1 PCI/L		U				1.68 PCI/L	.38	J			
RADIUM-226				1 PCI/L		U				1 PCI/L		UJ			
URANIUM-235/236				7.63 PCI/L	1.72	-				7.1 PCI/L	2.63	-			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL				3 UG/L		U				5.69 UG/L	2	-			
RADIUM-228				3 PCI/L		UJ				3 PCI/L		U			
THORIUM-228				1 PCI/L		U				1.3 PCI/L	.33	J			
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		UJ			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		UJ			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		UJ			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004375	120086-2	120086-2	120086	120086
TASK:	3.2.4	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT	CORE	CORE	CORE	CORE
WELL OR BORING NUMBER:	2388	2388	2388	2388	2388
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-FEB-91	15-JUN-93	15-JUN-93	17-JUN-93	17-JUN-93
NORTH COORDINATE:	480483.16	480483.16	480483.16	480483.16	480483.16
EAST COORDINATE:	1381424.85	1381424.85	1381424.85	1381424.85	1381424.85
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.14 MG/L		-												
CHLORIDE	21.4 MG/L		-												
FLUORIDE	.25 MG/L		-												
NITRATE	.1 MG/L		R												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	1.26 MG/L		-												
SULFATE	177 MG/L		-												
SULFIDE	.5 MG/L		U												
TOTAL ORGANIC CARBON	1.18 MG/L		-												
TOTAL ORGANIC HALIDES	.011 MG/L		R												
TOTAL ORGANIC NITROGEN	.1 MG/L		-												
RADIONUCLIDES															
URANIUM-238	1.14 PCI/L	.31	-	2.9 PCI/L	.8	-	3 PCI/L	.8	-						
URANIUM, TOTAL	3.39 UG/L	.36	-	9.9 UG/L	.7	-	9.8 UG/L	.7	-						
URANIUM-234	1.19 PCI/L	.32	-	3.3 PCI/L	.5	-	3.4 PCI/L	.5	-						
THORIUM-230	1 PCI/L		U	.3 PCI/L	.2	J	.3 PCI/L	.3	J						
RADIUM-226	1 PCI/L		U	1 PCI/L	.3	U	1 PCI/L	.4	U						
URANIUM-235/236	1 PCI/L		U	.2 PCI/L	.5	U	.2 PCI/L	.5	U						
THORIUM-232	1 PCI/L		U	.2 PCI/L	.2	U	.2 PCI/L	.2	U						
THORIUM, TOTAL	1.8 UG/L		U	.91201488 PCI/L	.2	NV									
RADIUM-228	3 PCI/L		U	3 PCI/L	1.1	U	3 PCI/L	1.3	U						
THORIUM-228	1 PCI/L		U	.2 PCI/L	.2	U	.2 PCI/L	.3	U						
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		UJ												
PLUTONIUM-238	1 PCI/L		UJ												

SAMPLE NUMBER:	004375			120086-2			120086-2			120086			120086		
LAB:	IT			CORE			CORE			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
STRONTIUM-90	5 PCI/L		UJ												
TECHNETIUM-99	32 PCI/L		R	15 PCI/L	7	U	15 PCI/L	7.4	U						
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA				12.9 PCI/L	6.8	UNV	11.5 PCI/L	5.7	UNV	0 PCI/L	6.8	UNV	0 PCI/L	5.7	UNV
GROSS BETA				9.6 PCI/L	5.6	UNV	8.8 PCI/L	5.3	NV	0 PCI/L	5.7	UNV	8.8 PCI/L	5.3	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120086	120086	120086	120086	004333
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.2.4
LAB:	FERMCO	FERMCO	NET	NET	IT
WELL OR BORING NUMBER:	2388	2388	2388	2388	2388
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-JUN-93	17-JUN-93	17-JUN-93	17-JUN-93	28-AUG-90
NORTH COORDINATE:	480483.16	480483.16	480483.16	480483.16	480483.16
EAST COORDINATE:	1381424.85	1381424.85	1381424.85	1381424.85	1381424.85
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										280 MG/L		-			
AMMONIA										.02 MG/L		U			
BICARBONATE ALKALINITY										354 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										23 MG/L		-			
FLUORIDE										.16 MG/L		-			
NITRATE/NITRITE										.02 MG/L		-			
PH										6.97 SU		-			
PHENOLS										.01 MG/L		UJ			
PHOSPHORUS										.1 MG/L		UJ			
SPECIFIC CONDUCTIVITY										1720 UMHOS/CM		-			
SULFATE										727 MG/L		-			
TOTAL DISSOLVED SOLIDS							1620 MG/L		-						
TOTAL KJELDAHL NITROGEN										.25 MG/L		-			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.25 MG/L		-			
TOTAL SOLIDS										1680 MG/L		-			
INORGANICS															
ALUMINUM							.02 MG/L		U	.0546 MG/L		-	.06 MG/L		U
ANTIMONY							.045 MG/L		U	.045 MG/L		U			
ARSENIC							.003 MG/L		U	.003 MG/L		U	.002 MG/L		U
BARIUM							.0449 MG/L		-	.0455 MG/L		-	.068 MG/L		-
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.003 MG/L		U	.0033 MG/L		-	.003 MG/L		-

SAMPLE NUMBER:	120086			120086			120086			120086			004333		
LAB:	FERMCO			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM							334 MG/L		-	333 MG/L		-	123 MG/L		-
CHROMIUM							.005 MG/L		U	.005 MG/L		U	.017 MG/L		-
COBALT							.0138 MG/L		-	.0114 MG/L		-			
COPPER							.003 MG/L		UJ	.003 MG/L		UJ	.01 MG/L		U
CYANIDE							.01 MG/L		UJ	.01 MG/L		UJ			
IRON							3.68 MG/L		-	4.13 MG/L		-	2.76 MG/L		-
LEAD							.002 MG/L		UJ	.002 MG/L		UJ	.0064 MG/L		U
MAGNESIUM							43.3 MG/L		-	43.3 MG/L		-	30.6 MG/L		-
MANGANESE							1.05 MG/L		-	1.08 MG/L		-	.192 MG/L		-
MERCURY							.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM													.01 MG/L		U
NICKEL							.0291 MG/L		U	.02 MG/L		U	.02 MG/L		U
POTASSIUM							5.89 MG/L		-	5.75 MG/L		-	2.58 MG/L		-
SELENIUM							.001 MG/L		UJ	.001 MG/L		UJ	.002 MG/L		U
SILICON													5.65 MG/L		-
SILVER							.007 MG/L		U	.007 MG/L		U	.015 MG/L		-
SODIUM							12.2 MG/L		J	12.2 MG/L		J	12 MG/L		-
THALLIUM							.002 MG/L		U	.002 MG/L		U			
VANADIUM							.003 MG/L		U	.003 MG/L		U	.01 MG/L		U
ZINC							.0326 MG/L		U	.0192 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL	9.1 UG/L		NV	9 UG/L		NV									
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		UJ			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			

SAMPLE NUMBER:	120086			120086			120086			120086			004333		
LAB:	FERMCO			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004333	004376	004376	004337	004337
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2388	2389	2389	2389	2389
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-AUG-90	03-FEB-91	03-FEB-91	09-SEP-90	09-SEP-90
NORTH COORDINATE:	480483.16	480143.91	480143.91	480143.91	480143.91
EAST COORDINATE:	1381424.85	1381322.27	1381322.27	1381322.27	1381322.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U				.1 MG/L		U				.1 MG/L		U
CHLORIDE	21.02 MG/L		-				19.7 MG/L		-				17.76 MG/L		-
FLUORIDE	.15 MG/L		-				.22 MG/L		-				.43 MG/L		-
NITRATE	.1 MG/L		U				.11 MG/L		J				.1 MG/L		R
PHENOLS	.01 MG/L		U				.01 MG/L		U				.041 MG/L		-
PHOSPHORUS	.57 MG/L		-				.63 MG/L		-				.56 MG/L		-
SULFATE	136.62 MG/L		-				149 MG/L		-				141.45 MG/L		J
SULFIDE	.5 MG/L		U				.5 MG/L		U				.5 MG/L		U
TOTAL ORGANIC CARBON	3.59 MG/L		-				1.9 MG/L		-				4.21 MG/L		-
TOTAL ORGANIC HALIDES	.01 MG/L		UJ				.01 MG/L		R				.01 MG/L		U
TOTAL ORGANIC NITROGEN	.25 MG/L		-				.11 MG/L		-				.41 MG/L		J
INORGANICS															
ALUMINUM				.06 MG/L		J				.06 MG/L		U			
ARSENIC				.002 MG/L		U				.002 MG/L		-			
BARIUM				.057 MG/L		-				.061 MG/L		-			
CADMIUM				.005 MG/L		U				.006 MG/L		-			
CALCIUM				128 MG/L		-				124 MG/L		-			
CHROMIUM				.01 MG/L		U				.017 MG/L		-			
COPPER				.01 MG/L		U				.01 MG/L		U			
IRON				2.2 MG/L		-				.07 MG/L		-			
LEAD				.002 MG/L		UJ				.002 MG/L		UJ			
MAGNESIUM				32 MG/L		-				34.9 MG/L		-			
MANGANESE				.24 MG/L		-				.247 MG/L		-			
MERCURY				.001 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.01 MG/L		U				.01 MG/L		U			

SAMPLE NUMBER:	004333			004376			004376			004337			004337		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.02 MG/L		U				.02 MG/L		U			
POTASSIUM				3 MG/L		U				2.29 MG/L		J			
SELENIUM				.002 MG/L		UJ				.002 MG/L		-			
SILICON				5.8 MG/L		-				.613 MG/L		-			
SILVER				.005 MG/L		U				.013 MG/L		-			
SODIUM				11.4 MG/L		-				12.1 MG/L		-			
VANADIUM				.01 MG/L		U				.01 MG/L		U			
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				7.6 PCI/L	1.05	-						
URANIUM, TOTAL	2.04 UG/L	.75	-				21.6 UG/L	4.2	-						
URANIUM-234	1 PCI/L		U				7.8 PCI/L	1.07	-						
THORIUM-230	1.01 PCI/L	.29	-				1 PCI/L		U						
RADIUM-226							1 PCI/L		U						
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U						
THORIUM-232	1 PCI/L		U				1 PCI/L		U						
THORIUM, TOTAL	1.8 UG/L		U				1.8 UG/L		U						
RADIUM-228							3 PCI/L		U						
THORIUM-228	1 PCI/L	.29	-				1 PCI/L		U						
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		UJ						
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		UJ						
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		UJ						
STRONTIUM-90	6.51 PCI/L	1.3	-				5 PCI/L		UJ						
TECHNETIUM-99							34.9 PCI/L	20.9	R						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004337	120087	120087	120087	120087
TASK:	3.2.4	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT/RSL	CORE	CORE	FERMCO	NET
WELL OR BORING NUMBER:	2389	2389	2389	2389	2389
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-SEP-90	17-JUN-93	17-JUN-93	17-JUN-93	17-JUN-93
NORTH COORDINATE:	480143.91	480143.91	480143.91	480143.91	480143.91
EAST COORDINATE:	1381322.27	1381322.27	1381322.27	1381322.27	1381322.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
TOTAL DISSOLVED SOLIDS													826 MG/L		-
INORGANICS															
ALUMINUM													.02 MG/L		U
ANTIMONY													.045 MG/L		U
ARSENIC													.003 MG/L		U
BARIUM													.0796 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM													.003 MG/L		U
CALCIUM													167 MG/L		-
CHROMIUM													.005 MG/L		U
COBALT													.01 MG/L		-
COPPER													.003 MG/L		UJ
CYANIDE													.01 MG/L		UJ
IRON													3.2 MG/L		-
LEAD													.002 MG/L		UJ
MAGNESIUM													37 MG/L		-
MANGANESE													.337 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL													.0206 MG/L		U
POTASSIUM													2.38 MG/L		-
SELENIUM													.001 MG/L		UJ
SILVER													.007 MG/L		U
SODIUM													9.47 MG/L		J
THALLIUM													.002 MG/L		U
VANADIUM													.003 MG/L		U

SAMPLE NUMBER:	004337			120087			120087			120087			120087		
LAB:	IT/RSL			CORE			CORE			FERMCO			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ZINC													.0235 MG/L		U
RADIONUCLIDES															
URANIUM-238	20.2 PCI/L	2.5	-	3.2 PCI/L	.5	NV	3.5 PCI/L	.8	NV						
URANIUM, TOTAL	120 UG/L	28	-	4.3 UG/L	.8	NV	11.3 UG/L	.3	NV	11 UG/L		NV			
URANIUM-234	20.8 PCI/L	2.57	-	3.5 PCI/L	.2	NV	3.6 PCI/L	.6	NV						
THORIUM-230	1.6 PCI/L		U	.2 PCI/L	.3	UNV	.3 PCI/L	.2	NV						
RADIUM-226	1 PCI/L		U	1 PCI/L	.4	UNV	1 PCI/L	.4	UNV						
URANIUM-235/236	2.4 PCI/L	.5	-	.2 PCI/L	.5	UNV	.2 PCI/L	.5	UNV						
THORIUM-232	1.6 PCI/L		U	.2 PCI/L	.2	UNV	.2 PCI/L	.2	UNV						
THORIUM, TOTAL	1 UG/L		U	.91202212 PCI/L	.2	NV	.91203928 PCI/L	.2	NV						
RADIUM-228	3 PCI/L		UJ	3 PCI/L	.4	UNV	3 PCI/L	1.1	UNV						
THORIUM-228	3.05 PCI/L	1.61	J	.2 PCI/L	7.1	UNV	.2 PCI/L	.2	UNV						
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		U												
PLUTONIUM-238	1 PCI/L		U												
STRONTIUM-90	8.14 PCI/L	2.35	J												
TECHNETIUM-99	30 PCI/L		UJ	15 PCI/L	1.4	UNV	15 PCI/L	7.7	UNV						
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA				9.5 PCI/L	2.5	NV	12.7 PCI/L	2.7	NV						
GROSS BETA				13.4 PCI/L	3	NV	10 PCI/L	3	NV						

002429

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120087	120027	120028	120028	120026
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	NET	FERMCO	CORE	CORE	NET
WELL OR BORING NUMBER:	2389	2390	2390	2390	2390
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-JUN-93	02-JUN-93	02-JUN-93	02-JUN-93	03-JUN-93
NORTH COORDINATE:	480143.91	476548.05	476548.05	476548.05	476548.05
EAST COORDINATE:	1381322.27	1379876.56	1379876.56	1379876.56	1379876.56
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	260 MG/L		-												
AMMONIA	.02 MG/L		U												
BICARBONATE ALKALINITY	336 MG/L		-												
CARBONATE ALKALINITY	3 MG/L		U												
CHLORIDE	21 MG/L		-												
FLUORIDE	.14 MG/L		-												
NITRATE/NITRITE	.06 MG/L		-												
PH	7.09 SU		-												
PHENOLS	.011 MG/L		J												
PHOSPHORUS	.1 MG/L		U												
SPECIFIC CONDUCTIVITY	1050 UMHOS/CM		-												
SULFATE	296 MG/L		-												
TOTAL DISSOLVED SOLIDS													409 MG/L		-
TOTAL KJELDAHL NITROGEN	.22 MG/L		-												
TOTAL ORGANIC CARBON	4 MG/L		-												
TOTAL ORGANIC HALOGENS	.01 MG/L		U												
TOTAL ORGANIC NITROGEN	.22 MG/L		-												
TOTAL SOLIDS	898 MG/L		-												
INORGANICS															
ALUMINUM	.02 MG/L		U										.02 MG/L		U
ANTIMONY	.045 MG/L		U										.045 MG/L		U
ARSENIC	.003 MG/L		U										.017 MG/L		R
BARIUM	.0826 MG/L		-										.0399 MG/L		-
BERYLLIUM	.001 MG/L		U										.001 MG/L		U
CADMIUM	.003 MG/L		U										.003 MG/L		U

SAMPLE NUMBER:	120087			120027			120028			120028			120026		
LAB:	NET			FERMCO			CORE			CORE			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	167 MG/L		-										92.5 MG/L		-
CHROMIUM	.005 MG/L		U										.005 MG/L		U
COBALT	.008 MG/L		U										.008 MG/L		U
COPPER	.003 MG/L		UJ										.003 MG/L		U
CYANIDE	.01 MG/L		UJ										.01 MG/L		UR
IRON	3.43 MG/L		-										.0194 MG/L		U
LEAD	.002 MG/L		UJ										.0026 MG/L		J
MAGNESIUM	37.5 MG/L		-										24.8 MG/L		-
MANGANESE	.338 MG/L		-										.001 MG/L		U
MERCURY	.0002 MG/L		U										.0002 MG/L		UJ
NICKEL	.02 MG/L		U										.02 MG/L		U
POTASSIUM	2.62 MG/L		-										2.16 MG/L		J
SELENIUM	.001 MG/L		U										.001 MG/L		UJ
SILVER	.007 MG/L		U										.007 MG/L		U
SODIUM	9.67 MG/L		J										10.8 MG/L		-
THALLIUM	.002 MG/L		U										.002 MG/L		UJ
VANADIUM	.003 MG/L		U										.003 MG/L		U
ZINC	.0187 MG/L		U										.005 MG/L		U
RADIONUCLIDES															
URANIUM-238							31.5 PCI/L	3.7	-	41.5 PCI/L	4.4	-			
URANIUM, TOTAL				120 UG/L		NV	121 UG/L	8.5	-	121 UG/L	8.5	-			
URANIUM-234							29.8 PCI/L	3.5	-	37.7 PCI/L	4	-			
THORIUM-230							.2 PCI/L	.2	UJ	.2 PCI/L	.3	UJ			
RADIUM-226							1 PCI/L	.3	U	14.9 PCI/L	1.5	-			
URANIUM-235/236							2 PCI/L	.5	-	1.3 PCI/L	.4	-			
THORIUM-232							.3 PCI/L	.2	J	.4 PCI/L	.2	U			
THORIUM, TOTAL							2.73601716 PCI/L	.2	NV						
RADIUM-228							3 PCI/L	1.3	U	3 PCI/L	1	U			
THORIUM-228							.2 PCI/L	.2	UJ	.3 PCI/L	.3	U			
GROSS ALPHA							37.5 PCI/L	3.8	NV	53.5 PCI/L	5.4	NV			
GROSS BETA							34.1 PCI/L	2.5	NV	30.6 PCI/L	3.7	NV			
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												

SAMPLE NUMBER:	120087			120027			120028			120028			120026		
LAB:	NET			FERMCO			CORE			CORE			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		UJ												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120026	004329	004329	004329	004206
TASK:	50.03.23	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	NET	IT	IT	IT/RSL	IT
WELL OR BORING NUMBER:	2390	2390	2390	2390	2390
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-JUN-93	05-SEP-90	05-SEP-90	05-SEP-90	12-JUN-90
NORTH COORDINATE:	476548.05	476548.05	476548.05	476548.05	476548.05
EAST COORDINATE:	1379876.56	1379876.56	1379876.56	1379876.56	1379876.56
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	282 MG/L		-												
AMMONIA	.03 MG/L		-				.1 MG/L		U						
BICARBONATE ALKALINITY	366 MG/L		-												
CARBONATE ALKALINITY	3 MG/L		U												
CHLORIDE	24 MG/L		-				9.68 MG/L		-						
FLUORIDE	.27 MG/L		-				.3 MG/L		-						
NITRATE	1.94 MG/L		-				.39 MG/L		J						
NITRATE/NITRITE	1.94 MG/L		-												
PH	7.34 SU		-				.01 MG/L		U						
PHENOLS	.01 MG/L		U				.01 MG/L		U						
PHOSPHORUS	.12 MG/L		R				.25 MG/L		-						
SPECIFIC CONDUCTIVITY	585 UMHOS/CM		-												
SULFATE	69 MG/L		-				38.8 MG/L		J						
SULFIDE							.5 MG/L		U						
TOTAL KJELDAHL NITROGEN	.1 MG/L		U												
TOTAL ORGANIC CARBON	1 MG/L		U				2.91 MG/L		-						
TOTAL ORGANIC HALIDES	.01 MG/L		U				.01 MG/L		U						
TOTAL ORGANIC NITROGEN	.1 MG/L		U				.14 MG/L		J						
TOTAL SOLIDS	492 MG/L		-												
INORGANICS															
ALUMINUM	.206 MG/L		J	.06 MG/L		U							.06 MG/L		U
ANTIMONY	.045 MG/L		U												
ARSENIC	.002 MG/L		UR	.002 MG/L		U							.002 MG/L		UJ
BARIUM	.0409 MG/L		-	.051 MG/L		-							.044 MG/L		-
BERYLLIUM	.001 MG/L		U												

SAMPLE NUMBER	120026			004329			004329			004329			004206		
LAB:	NET			IT			IT			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM	.003 MG/L		U	.004 MG/L		-							.004 MG/L		-
CALCIUM	94.1 MG/L		-	110 MG/L		-							95 MG/L		-
CHROMIUM	.005 MG/L		UJ	.02 MG/L		-							.026 MG/L		-
COBALT	.008 MG/L		U												
COPPER	.003 MG/L		U	.01 MG/L		U							.01 MG/L		U
CYANIDE	.01 MG/L		UJ												
IRON	.587 MG/L		UJ	.03 MG/L		-							.032 MG/L		-
LEAD	.0026 MG/L		UJ	.005 MG/L		UJ							.002 MG/L		UJ
MAGNESIUM	25.9 MG/L		-	30.3 MG/L		-							25.6 MG/L		-
MANGANESE	.0103 MG/L		-	.025 MG/L		-							.017 MG/L		-
MERCURY	.0002 MG/L		U	.0002 MG/L		U							.0002 MG/L		U
MOLYBDENUM				.01 MG/L		U							.01 MG/L		U
NICKEL	.02 MG/L		U	.02 MG/L		U							.02 MG/L		U
POTASSIUM	2.54 MG/L		-	3 MG/L		J							1.88 MG/L		-
SELENIUM	.001 MG/L		UJ	.002 MG/L		U							.002 MG/L		UJ
SILICON				4.89 MG/L		-							4.24 MG/L		-
SILVER	.007 MG/L		UJ	.015 MG/L		-							.015 MG/L		-
SODIUM	10.9 MG/L		-	7.59 MG/L		-							10.6 MG/L		-
THALLIUM	.002 MG/L		UJ												
VANADIUM	.003 MG/L		U	.011 MG/L		-							.01 MG/L		U
ZINC	.0069 MG/L		J												
RADIONUCLIDES															
URANIUM-238										54.2 PCI/L	7.2	J			
URANIUM, TOTAL										163 UG/L	22	-			
URANIUM-234										50.3 PCI/L	6.8	J			
THORIUM-230										1 PCI/L		UJ			
RADIUM-226										1 PCI/L		U			
URANIUM-235/236										4.07 PCI/L	1.01	J			
THORIUM-232										1 PCI/L		UJ			
THORIUM, TOTAL										1.9 UG/L		UJ			
RADIUM-228										3 PCI/L		U			
THORIUM-228										3.7 PCI/L	.67	J			
NEPTUNIUM-237										1 PCI/L		UJ			
PLUTONIUM-239/240										1 PCI/L		UJ			
PLUTONIUM-238										1 PCI/L		UJ			
STRONTIUM-90										5 PCI/L		UJ			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			

VOLATILES

1,1,1-TRICHLOROETHANE 10 UG/L U
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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	120026			004329			004329			004329			004206		
LAB:	NET			IT			IT			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		U												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

00125
00125
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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004206	004206	EMGW_SYSGEN_799	004188	004188
TASK:	3.2.4	3.2.4	GWMON	3.2.4	3.2.4
LAB:	IT	IT/RSL	WMCO	IT	IT
WELL OR BORING NUMBER:	2390	2390	2391	2391	2391
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-JUN-90	12-JUN-90	01-MAY-91	03-APR-90	03-APR-90
NORTH COORDINATE:	476548.05	476548.05	472144.98	472144.98	472144.98
EAST COORDINATE:	1379876.56	1379876.56	1381487.82	1381487.82	1381487.82
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UJ										.1 MG/L		U
CHLORIDE	9.95 MG/L		-										11.4 MG/L		-
FLUORIDE	.31 MG/L		-										.14 MG/L		-
NITRATE	1.92 MG/L		J										.28 MG/L		R
PHENOLS	.01 MG/L		U										.01 MG/L		-
PHOSPHORUS	1.3 MG/L		-										2.59 MG/L		-
SULFATE	45.02 MG/L		-										99.7 MG/L		-
SULFIDE	1.17 MG/L		J										.5 MG/L		U
TOTAL ORGANIC CARBON	3.55 MG/L		-										.303 MG/L		U
TOTAL ORGANIC HALIDES	.01 MG/L		UJ										.01 MG/L		R
TOTAL ORGANIC NITROGEN	.63 MG/L		J										1.23 MG/L		-
INORGANICS															
ALUMINUM										.131 MG/L		-			
ARSENIC										.002 MG/L		UJ			
BARIUM										.0498 MG/L		-			
CADMIUM										.0045 MG/L		-			
CALCIUM										103 MG/L		-			
CHROMIUM										.0271 MG/L		-			
COPPER										.01 MG/L		U			
IRON										.0638 MG/L		U			
LEAD										.003 MG/L		U			
MAGNESIUM										30.4 MG/L		-			
MANGANESE										.122 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		UJ			

SAMPLE NUMBER:	004206			004206			EMGW_SYSGEN_799			004188			004188		
LAB:	IT			IT/RSL			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL										.02 MG/L		U			
POTASSIUM										3.98 MG/L		J			
SELENIUM										.002 MG/L		U			
SILICON										4.66 MG/L		-			
SILVER										.0102 MG/L		-			
SODIUM										17.1 MG/L		-			
VANADIUM										.0164 MG/L		-			
RADIONUCLIDES															
URANIUM-238				51.3 PCI/L	6.3	-									
URANIUM, TOTAL				111 UG/L	15	J	1.2 UG/L		NV				14.5 UG/L	2.6	-
URANIUM-234				46.4 PCI/L	5.8	-									
THORIUM-230				1 PCI/L		U							1 PCI/L		R
RADIUM-226				1 PCI/L		U							1.72 PCI/L	.33	J
URANIUM-235/236				3.27 PCI/L	.72	-									
THORIUM-232				1 PCI/L		U							1.48 PCI/L	.75	R
THORIUM, TOTAL				1.6 UG/L		U							13.3 UG/L	6.8	R
RADIUM-228				3 PCI/L		U							3 PCI/L		UJ
THORIUM-228				1 PCI/L		U							1.54 PCI/L	.76	R
NEPTUNIUM-237				1 PCI/L		U							1 PCI/L		U
PLUTONIUM-239/240				1 PCI/L		U							1 PCI/L		U
PLUTONIUM-238				1 PCI/L		U							1 PCI/L		U
STRONTIUM-90				7.61 PCI/L	1.76	J							5 PCI/L		R
TECHNETIUM-99				30 PCI/L		U							30 PCI/L		R
RUTHENIUM-106				150 PCI/L		R							150 PCI/L		R
CESIUM-137				20 PCI/L		R							20 PCI/L		R

002127

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_802	EMGW_SYSGEN_800	EMGW_SYSGEN_798	EMGW_SYSGEN_798	EMGW_SYSGEN_798
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	WMCO	WMCO	IT	NET	NET
WELL OR BORING NUMBER:	2391	2391	2391	2391	2391
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-AUG-91	06-JUN-91	07-MAR-91	07-MAR-91	07-MAR-91
NORTH COORDINATE:	472144.98	472144.98	472144.98	472144.98	472144.98
EAST COORDINATE:	1381487.82	1381487.82	1381487.82	1381487.82	1381487.82
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,4-DIOXANE													5000 UG/L		UNV
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													288 MG/L		NV
ALLYL CHLORIDE													20 UG/L		UNV
AMMONIA													.08 MG/L		NV
CHLORIDE													24 MG/L		NV
FLUORIDE													.13 MG/L		NV
NITRATE, AS NITROGEN													.13 MG/L		NV
PH													7.32 SU		NV
PHENOLS													.005 MG/L		UNV
PHOSPHORUS													.33 MG/L		NV
SPECIFIC CONDUCTIVITY													735 UMHOS/CM		NV
SULFATE													136 MG/L		NV
SULFIDE													.2 MG/L		UNV
TOTAL DISSOLVED SOLIDS													462 MG/L		NV
TOTAL ORGANIC CARBON													8 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
HERBICIDES															
2,4,5-T													.5 UG/L		UNV
2,4,5-TP (SILVEX)													.5 UG/L		UNV
2,4-D													1 UG/L		UNV

INORGANICS

ALUMINUM .5 MG/L UNV 4.72 MG/L NV
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

DRAFT
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SAMPLE NUMBER:	EMGW_SYSGEN_802			EMGW_SYSGEN_800			EMGW_SYSGEN_798			EMGW_SYSGEN_798			EMGW_SYSGEN_798		
LAB:	WMCO			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ANTIMONY										.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC										.0025 MG/L		UNV	.007 MG/L		NV
BARIUM										.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM										.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM										.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM										84.2 MG/L		NV	112 MG/L		NV
CHROMIUM													.027 MG/L		NV
COBALT										.025 MG/L		UNV	.025 MG/L		UNV
COPPER										.025 MG/L		UNV	.025 MG/L		UNV
CYANIDE													.005 MG/L		UNV
IRON										.055 MG/L		NV	21.4 MG/L		NV
LEAD										.005 MG/L		UNV	.011 MG/L		NV
MAGNESIUM										30.7 MG/L		NV	52 MG/L		NV
MANGANESE										.078 MG/L		NV	4.23 MG/L		NV
MERCURY										.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM										.025 MG/L		UNV	.025 MG/L		UNV
NICKEL										.005 MG/L		UNV	.035 MG/L		NV
POTASSIUM										4.07 MG/L		NV	5.04 MG/L		NV
SELENIUM										.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER										.001 MG/L		UNV	.001 MG/L		UNV
SODIUM										13.6 MG/L		NV	14.4 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
TIN										1 MG/L		UNV	1 MG/L		UNV
VANADIUM										.05 MG/L		UNV	.05 MG/L		UNV
ZINC										.02 MG/L		UNV	.051 MG/L		NV
MISC															
1,2,3-TRICHLOROPROPANE													1 UG/L		UNV
1,2,4,5-TETRACHLOROBENZENE													4 UG/L		UNV
1,2-DIBROMO-3-CHLOROPROPANE													20 UG/L		UNV
1,2-DIBROMOETHANE													20 UG/L		UNV
1,3,5-TRINITROBENZENE													15 UG/L		UNV
1,3-DINITROBENZENE													15 UG/L		UNV
1,4-NAPHTHOQUINONE													15 UG/L		UNV
1-NAPHTHYLAMINE													15 UG/L		UNV
2,3,4,6-TETRACHLOROPHENOL													4 UG/L		UNV
2,6-DICHLOROPHENOL													4 UG/L		UNV

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SAMPLE NUMBER:	EMGW_SYSGEN_802			EMGW_SYSGEN_800			EMGW_SYSGEN_798			EMGW_SYSGEN_798			EMGW_SYSGEN_798		
LAB:	WMCO			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
2-ACETYLAMINOFLUORENE													15 UG/L		UNV
2-CHLORO-1,3-BUTADIENE													20 UG/L		UNV
2-NAPHTHYLAMINE													4 UG/L		UNV
2-PICOLINE													15 UG/L		UNV
3,3'-DIMETHYLBENZIDINE													15 UG/L		UNV
3-METHYLCHOLANTHRENE													15 UG/L		UNV
3-METHYLPHENOL													4 UG/L		UNV
4-AMINOBIPHENYL													15 UG/L		UNV
4-NITROQUINOLINE-1-OXIDE													15 UG/L		UNV
5-NITRO-O-TOLUIDINE													15 UG/L		UNV
7,12-DIMETHYLBENZ(A)ANTHRAC ENE													15 UG/L		UNV
A,A-DIMETHYLPHENETHYLAMINE													15 UG/L		UNV
ACETONITRILE													1000 UG/L		UNV
ACETOPHENONE													15 UG/L		UNV
ACROLEIN													20 UG/L		UNV
ACROLEIN													20 UG/L		UNV
ACROLEIN													20 UG/L		UNV
ACROLEIN													20 UG/L		UNV
ACRYLONITRILE													20 UG/L		UNV
ANILINE													4 UG/L		UNV
ARAMITE													15 UG/L		UNV
DIALLATE													15 UG/L		UNV
DIBROMOMETHANE													1 UG/L		UNV
DICHLORODIFLUOROMETHANE													1 UG/L		UNV
DINOSEB													.5 UG/L		UNV
DIPHENYLAMINE													15 UG/L		UNV
ETHYL CYANIDE													20 UG/L		UNV
ETHYL METHACRYLATE													20 UG/L		UNV
ETHYL METHANESULFONATE													15 UG/L		UNV
HEXACHLOROPHENE													4 UG/L		UNV
HEXACHLOROPROPENE													4 UG/L		UNV
IODOMETHANE													20 UG/L		UNV
ISODRIN													4 UG/L		UNV
ISOSAFROLE													15 UG/L		UNV
KEPONE													4 UG/L		UNV
METHACRYLONITRILE													20 UG/L		UNV
METHAPYRILENE													15 UG/L		UNV
METHYL METHACRYLATE													20 UG/L		UNV
METHYL METHANESULFONATE													15 UG/L		UNV
N-NITROSODI-N-BUTYLAMINE													4 UG/L		UNV
N-NITROSODIETHYLAMINE													4 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_802			EMGW_SYSGEN_800			EMGW_SYSGEN_798			EMGW_SYSGEN_798			EMGW_SYSGEN_798		
LAB:	WMCO			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
MISC															
N-NITROSOMETHYLETHYLAMINE													4 UG/L		UNV
N-NITROSOMORPHOLINE													15 UG/L		UNV
N-NITROSOPIPERIDINE													15 UG/L		UNV
N-NITROSOPYRROLIDINE													15 UG/L		UNV
O-TOLUIDINE													15 UG/L		UNV
P-DIMETHYLAMINOAZOBENZENE													15 UG/L		UNV
P-PHENYLENEDIAMINE													15 UG/L		UNV
PENTACHLOROBENZENE													4 UG/L		UNV
PENTACHLOROETHANE													20 UG/L		UNV
PENTACHLORONITROBENZENE													4 UG/L		UNV
PHENACETIN													4 UG/L		UNV
PRONAMIDE													15 UG/L		UNV
SAFROLE													15 UG/L		UNV
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE													15 UG/L		UNV
DISULFOTON													15 UG/L		UNV
FAMPHUR													15 UG/L		UNV
METHYL PARATHION													15 UG/L		UNV
PARATHION													15 UG/L		UNV
PHORATE													15 UG/L		UNV
THIONAZIN													15 UG/L		UNV
PESTICIDES															
4,4'-DDD													4 UG/L		UNV
4,4'-DDE													4 UG/L		UNV
4,4'-DDT													4 UG/L		UNV
ALDRIN													.2 UG/L		UNV
ALPHA-BHC													.2 UG/L		UNV
AROCLOR-1016													.2 UG/L		UNV
AROCLOR-1221													.2 UG/L		UNV
AROCLOR-1232													.2 UG/L		UNV
AROCLOR-1242													.2 UG/L		UNV
AROCLOR-1248													.2 UG/L		UNV
AROCLOR-1254													.2 UG/L		UNV
AROCLOR-1260													.2 UG/L		UNV
BETA-BHC													.2 UG/L		UNV
CHLORDANE													.2 UG/L		UNV
CHLOROBENZILATE													15 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_802			EMGW_SYSGEN_800			EMGW_SYSGEN_798			EMGW_SYSGEN_798			EMGW_SYSGEN_798		
LAB:	WMCO			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
DELTA-BHC													.2 UG/L		UNV
DIELDRIN													.2 UG/L		UNV
ENDOSULFAN II													.2 UG/L		UNV
ENDOSULFAN SULFATE													.2 UG/L		UNV
ENDOSULFAN-I													.2 UG/L		UNV
ENDRIN													.2 UG/L		UNV
ENDRIN ALDEHYDE													.2 UG/L		UNV
GAMMA-BHC (LINDANE)													.2 UG/L		UNV
HEPTACHLOR													.2 UG/L		UNV
HEPTACHLOR EPOXIDE													.2 UG/L		UNV
METHOXYCHLOR													.2 UG/L		UNV
SULFOTEP													15 UG/L		UNV
TOXAPHENE													.5 UG/L		UNV
RADIONUCLIDES															
URANIUM-238							.881 PCI/L		NV						
URANIUM, TOTAL	1.4 UG/L		NV	1.2 UG/L		NV	2.12 UG/L		NV						
URANIUM-234							.957 PCI/L		NV						
THORIUM-230							.612 PCI/L		NV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236							.2 PCI/L		UNV						
THORIUM-232							.41 PCI/L		UNV						
THORIUM, TOTAL							3.7 UG/L		UNV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							1.81 PCI/L		NV						
NEPTUNIUM-237							.5 PCI/L		UNV						
PLUTONIUM-239/240							.5 PCI/L		UNV						
PLUTONIUM-238							.5 PCI/L		UNV						
TECHNETIUM-99							18 PCI/L		UNV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							9.5 PCI/L		UNV						
GROSS ALPHA							186 PCI/L		NV						
GROSS BETA							22.6 PCI/L		NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													4 UG/L		UNV
1,3-DICHLOROBENZENE													4 UG/L		UNV
1,4-DICHLOROBENZENE													4 UG/L		UNV
2,4,5-TRICHLOROPHENOL													4 UG/L		UNV
2,4,6-TRICHLOROPHENOL													4 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_802			EMGW_SYSGEN_800			EMGW_SYSGEN_798			EMGW_SYSGEN_798			EMGW_SYSGEN_798		
LAB:	WMCO			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DICHLOROPHENOL													4 UG/L		UNV
2,4-DIMETHYLPHENOL													4 UG/L		UNV
2,4-DINITROPHENOL													4 UG/L		UNV
2,4-DINITROTOLUENE													15 UG/L		UNV
2,6-DINITROTOLUENE													15 UG/L		UNV
2-CHLORONAPHTHALENE													4 UG/L		UNV
2-CHLOROPHENOL													4 UG/L		UNV
2-METHYLNAPHTHALENE													4 UG/L		UNV
2-METHYLPHENOL													4 UG/L		UNV
2-NITROANILINE													15 UG/L		UNV
2-NITROPHENOL													4 UG/L		UNV
3,3'-DICHLOROBENZIDINE													15 UG/L		UNV
3-NITROANILINE													15 UG/L		UNV
4,6-DINITRO-2-METHYLPHENOL													4 UG/L		UNV
4-BROMOPHENYL PHENYL ETHER													15 UG/L		UNV
4-CHLORO-3-METHYLPHENOL													4 UG/L		UNV
4-CHLOROPHENYLPHENYL ETHER													15 UG/L		UNV
4-NITROANILINE													15 UG/L		UNV
4-NITROPHENOL													4 UG/L		UNV
ACENAPHTHENE													4 UG/L		UNV
ACENAPHTHYLENE													4 UG/L		UNV
ANTHRACENE													4 UG/L		UNV
BENZO(A)ANTHRACENE													4 UG/L		UNV
BENZO(A)PYRENE													4 UG/L		UNV
BENZO(B)FLUORANTHENE													4 UG/L		UNV
BENZO(G,H,I)PERYLENE													4 UG/L		UNV
BENZO(K)FLUORANTHENE													4 UG/L		UNV
BENZYL ALCOHOL													40 UG/L		UNV
BIS(2-CHLOROETHOXY)METHANE													15 UG/L		UNV
BIS(2-CHLOROETHYL)ETHER													15 UG/L		UNV
BIS(2-CHLOROISOPROPYL) ETHER													4 UG/L		UNV
BIS(2-ETHYLHEXYL)PHTHALATE													4 UG/L		UNV
BUTYL BENZYL PHTHALATE													4 UG/L		UNV
CHRYSENE													4 UG/L		UNV
DI-N-BUTYL PHTHALATE													4 UG/L		UNV
DI-N-OCTYL PHTHALATE													4 UG/L		UNV
DIBENZO(A,H)ANTHRACENE													4 UG/L		UNV
DIBENZOFURAN													4 UG/L		UNV
DIETHYL PHTHALATE													4 UG/L		UNV
DIMETHYL PHTHALATE													4 UG/L		UNV
FLUORANTHENE													4 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_802			EMGW_SYSGEN_800			EMGW_SYSGEN_798			EMGW_SYSGEN_798			EMGW_SYSGEN_798		
LAB:	WMCO			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORENE													4 UG/L		UNV
HEXACHLOROBENZENE													4 UG/L		UNV
HEXACHLOROBUTADIENE													4 UG/L		UNV
HEXACHLOROCYCLOPENTADIENE													4 UG/L		UNV
HEXACHLOROETHANE													4 UG/L		UNV
INDENO(1,2,3-CD)PYRENE													4 UG/L		UNV
ISOPHORONE													4 UG/L		UNV
N-NITROSO-DI-N-PROPYLAMINE													4 UG/L		UNV
N-NITROSODIMETHYLAMINE													4 UG/L		UNV
N-NITROSODIPHENYLAMINE													4 UG/L		UNV
NAPHTHALENE													4 UG/L		UNV
NITROBENZENE													4 UG/L		UNV
P-CHLOROANILINE													4 UG/L		UNV
PENTACHLOROPHENOL													4 UG/L		UNV
PHENANTHRENE													4 UG/L		UNV
PHENOL													4 UG/L		UNV
PYRENE													4 UG/L		UNV
PYRIDINE													4 UG/L		UNV
VOLATILES															
1,1,1,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,1-TRICHLOROETHANE													1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHANE													1 UG/L		UNV
1,1-DICHLOROETHENE													1 UG/L		UNV
1,2-DICHLOROETHANE													1 UG/L		UNV
1,2-DICHLOROPROPANE													1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV
4-METHYL-2-PENTANONE													2 UG/L		UNV
ACETONE													2 UG/L		UNV
BENZENE													1 UG/L		UNV
BROMODICHLOROMETHANE													1 UG/L		UNV
BROMOFORM													1 UG/L		UNV
BROMOMETHANE													1 UG/L		UNV
CARBON DISULFIDE													1 UG/L		UNV
CARBON TETRACHLORIDE													1 UG/L		UNV
CHLOROBENZENE													1 UG/L		UNV
CHLOROETHANE													1 UG/L		UNV
CHLOROFORM													1 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_802			EMGW_SYSGEN_800			EMGW_SYSGEN_798			EMGW_SYSGEN_798			EMGW_SYSGEN_798		
LAB:	WMCO			WMCO			IT			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROMETHANE													1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													1 UG/L		UNV
DIBROMOCHLOROMETHANE													1 UG/L		UNV
ETHYLBENZENE													1 UG/L		UNV
ISOBUTYL ALCOHOL													3000 UG/L		UNV
METHYLENE CHLORIDE													1 UG/L		UNV
STYRENE													1 UG/L		UNV
T-1,4-DICHLORO-2-BUTENE													20 UG/L		UNV
TETRACHLOROETHENE													1 UG/L		UNV
TOLUENE													1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													1 UG/L		UNV
TRICHLOROETHENE													1 UG/L		UNV
TRICHLOROFLUOROMETHANE													1 UG/L		UNV
VINYL ACETATE													2 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_798			GW930513-11			GW930513-11			GW930513-11			GW930513-11		
TASK:	GWMON			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	WMCO			CORE			CORE			FERMCO			FERMCO		
WELL OR BORING NUMBER:	2391			2391			2391			2391			2391		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-MAR-91			13-MAY-93			13-MAY-93			13-MAY-93			13-MAY-93		
NORTH COORDINATE:	472144.98			472144.98			472144.98			472144.98			472144.98		
EAST COORDINATE:	1381487.82			1381487.82			1381487.82			1381487.82			1381487.82		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238				.4 PCI/L	.4	J	.6 PCI/L	.3	-						
URANIUM, TOTAL	1.7 UG/L		NV	1.6 UG/L	.1	J	1.2 UG/L	.1	-	.9 UG/L		NV	.8 UG/L		NV
URANIUM-234				.5 PCI/L	.3	J	.5 PCI/L	.3	-						
THORIUM-230				.3 PCI/L	.4	UJ	.4 PCI/L	.2	U						
RADIUM-226				1 PCI/L	.4	U	1.8 PCI/L	.5	-						
URANIUM-235/236				.2 PCI/L	.1	UJ	.2 PCI/L	.2	U						
THORIUM-232				.4 PCI/L	.2	UJ	.5 PCI/L	.2	U						
RADIUM-228				3 PCI/L	1.1	U	3 PCI/L	1.2	U						
THORIUM-228				.3 PCI/L	.5	UJ	.3 PCI/L	.1	-						
GROSS ALPHA				2.4 PCI/L	1.5	UNV	4.3 PCI/L	2.6	UNV						
GROSS BETA				5.2 PCI/L	1.8	NV	14.5 PCI/L	2.9	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930513-11	GW930513-11	EMGW_SYSGEN_804	EMGW_SYSGEN_807	EMGW_SYSGEN_801
TASK:	50.03.23	50.03.23	GWMON	GWMON	GWMON
LAB:	LOCKHEED	LOCKHEED	WMCO	WMCO	WMCO
WELL OR BORING NUMBER:	2391	2391	2391	2391	2391
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-MAY-93	13-MAY-93	16-SEP-91	18-NOV-91	20-JUN-91
NORTH COORDINATE:	472144.98	472144.98	472144.98	472144.98	472144.98
EAST COORDINATE:	1381487.82	1381487.82	1381487.82	1381487.82	1381487.82
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				290 MG/L		-									
AMMONIA				.19 MG/L		-									
BICARBONATE ALKALINITY				290 MG/L		-									
CARBONATE ALKALINITY				30 MG/L		U									
CHLORIDE				20 MG/L		-									
FLUORIDE				.15 MG/L		U									
NITRATE/NITRITE				.18 MG/L		-									
PH				7.4 SU		-									
PHENOLS				.15 MG/L		U									
PHOSPHORUS				1.4 MG/L		-									
SPECIFIC CONDUCTIVITY				780 UMHOS/CM		-									
SULFATE				91 MG/L		-									
TOTAL DISSOLVED SOLIDS	440 MG/L		-												
TOTAL ORGANIC CARBON				1 MG/L		-									
TOTAL ORGANIC HALIDES				.11 MG/L		-									
TOTAL ORGANIC NITROGEN				.185 MG/L		U									
TOTAL SOLIDS				430 MG/L		-									
INORGANICS															
ALUMINUM	.024 MG/L		U	.0276 MG/L		-									
ANTIMONY	.027 MG/L		U	.027 MG/L		U									
ARSENIC	.002 MG/L		U	.0147 MG/L		-									
BARIUM	.0761 MG/L		-	.357 MG/L		-									
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									
CADMIUM	.002 MG/L		U	.002 MG/L		U									
CALCIUM	103 MG/L		-	121 MG/L		-									

SAMPLE NUMBER:	GW930513-11			GW930513-11			EMGW_SYSGEN_804			EMGW_SYSGEN_807			EMGW_SYSGEN_801		
LAB:	LOCKHEED			LOCKHEED			WMCO			WMCO			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM	.004 MG/L		U	.0078 MG/L		U									
COBALT	.005 MG/L		U	.0071 MG/L		-									
COPPER	.003 MG/L		U	.0052 MG/L		U									
CYANIDE	.02 MG/L		UJ	.02 MG/L		UJ									
IRON	.217 MG/L		-	85.4 MG/L		-									
LEAD	.002 MG/L		U	.002 MG/L		U									
MAGNESIUM	28.4 MG/L		-	30 MG/L		-									
MANGANESE	.233 MG/L		-	17.5 MG/L		-									
MERCURY	.0002 MG/L		U	.0002 MG/L		U									
MOLYBDENUM	.011 MG/L		U	.011 MG/L		U									
NICKEL	.011 MG/L		U	.011 MG/L		U									
POTASSIUM	3.16 MG/L		-	3.98 MG/L		-									
SELENIUM	.001 MG/L		UJ	.0013 MG/L		UJ									
SILVER	.004 MG/L		U	.004 MG/L		U									
SODIUM	10.9 MG/L		-	11.9 MG/L		-									
THALLIUM	.003 MG/L		U	.003 MG/L		U									
VANADIUM	.004 MG/L		U	.004 MG/L		U									
ZINC	.003 MG/L		U	.0247 MG/L		U									
RADIONUCLIDES															
URANIUM, TOTAL							1.1 UG/L		NV	.9 UG/L		NV	1.3 UG/L		NV
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		UJ									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		UJ									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									

SAMPLE NUMBER:	GW930513-11			GW930513-11			EMGW_SYSGEN_804			EMGW_SYSGEN_807			EMGW_SYSGEN_801		
LAB:	LOCKHEED			LOCKHEED			WMCO			WMCO			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004209	004209	004209	EMGW_SYSGEN_803	EMGW_SYSGEN_806
TASK:	3.2.4	3.2.4	3.2.4	GWMON	GWMON
LAB:	IT	IT	IT/RSL	WMCO	WMCO
WELL OR BORING NUMBER:	2391	2391	2391	2391	2391
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-JUN-90	21-JUN-90	21-JUN-90	22-AUG-91	28-OCT-91
NORTH COORDINATE:	472144.98	472144.98	472144.98	472144.98	472144.98
EAST COORDINATE:	1381487.82	1381487.82	1381487.82	1381487.82	1381487.82
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.14 MG/L		-									
CHLORIDE				16 MG/L		J									
FLUORIDE				.2 MG/L		J									
NITRATE				.11 MG/L		J									
PHENOLS				.008 MG/L		-									
PHOSPHORUS				.54 MG/L		-									
SULFATE				96 MG/L		J									
SULFIDE				.2 MG/L		UJ									
TOTAL ORGANIC CARBON				1 MG/L		-									
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC NITROGEN				.24 MG/L		-									
INORGANICS															
ALUMINUM	.06 MG/L		UJ												
ARSENIC	.002 MG/L		U												
BARIUM	.053 MG/L		UJ												
CADMIUM	.005 MG/L		UJ												
CALCIUM	98.8 MG/L		UJ												
CHROMIUM	.01 MG/L		UJ												
COPPER	.02 MG/L		UJ												
IRON	.24 MG/L		UJ												
LEAD	.007 MG/L		J												
MAGNESIUM	26.5 MG/L		UJ												
MANGANESE	.091 MG/L		UJ												
MERCURY	.001 MG/L		UJ												
MOLYBDENUM	.01 MG/L		UJ												

SAMPLE NUMBER:	004209			004209			004209			EMGW_SYSGEN_803			EMGW_SYSGEN_806		
LAB:	IT			IT			IT/RSL			WMCO			WMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.02 MG/L		UJ												
POTASSIUM	2 MG/L		UJ												
SELENIUM	.002 MG/L		UJ												
SILICON	3.7 MG/L		UJ												
SILVER	.005 MG/L		UJ												
SODIUM	12.8 MG/L		UJ												
VANADIUM	.01 MG/L		UJ												
RADIONUCLIDES															
URANIUM-238							1.14 PCI/L	.32	J						
URANIUM, TOTAL							3.25 UG/L	.34	J	1.3 UG/L		NV	1 UG/L		NV
URANIUM-234							1.29 PCI/L	.34	J						
THORIUM-230							1.51 PCI/L	.56	-						
RADIUM-226							1 PCI/L		UJ						
URANIUM-235/236							1 PCI/L		UJ						
THORIUM-232							1 PCI/L		U						
THORIUM, TOTAL							4.3 UG/L		U						
RADIUM-228							3 PCI/L		R						
THORIUM-228							2.25 PCI/L	.69	-						
NEPTUNIUM-237							1 PCI/L		R						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							31.9 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_805	068053	068054	004369	004369
TASK:	GWMON	3.11	3.11	3.2.4	3.2.4
LAB:	WMCO	IT	WEMCO	IT	IT
WELL OR BORING NUMBER:	2391	2392	2392	2392	2392
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-SEP-91	01-JUN-91	01-JUN-91	02-FEB-91	02-FEB-91
NORTH COORDINATE:	472144.98	471422.36	471422.36	471422.36	471422.36
EAST COORDINATE:	1381487.82	1381580.52	1381580.52	1381580.52	1381580.52
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													.1 MG/L		U
CHLORIDE													29.1 MG/L		-
FLUORIDE													.13 MG/L		-
NITRATE													2.65 MG/L		J
PHENOLS													.01 MG/L		U
PHOSPHORUS													.64 MG/L		-
SULFATE													90.2 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL ORGANIC CARBON													2.49 MG/L		-
TOTAL ORGANIC HALIDES													.01 MG/L		R
TOTAL ORGANIC NITROGEN													.28 MG/L		-
INORGANICS															
ALUMINUM										.27 MG/L		J			
ARSENIC										.002 MG/L		U			
BARIUM										.062 MG/L		-			
CADMIUM										.005 MG/L		U			
CALCIUM										119 MG/L		-			
CHROMIUM										.01 MG/L		U			
COPPER										.01 MG/L		-			
IRON										.21 MG/L		-			
LEAD										.004 MG/L		J			
MAGNESIUM										30.1 MG/L		-			
MANGANESE										.038 MG/L		-			
MERCURY										.001 MG/L		U			
MOLYBDENUM										.01 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_805			068053			068054			004369			004369		
LAB:	WMCO			IT			WEMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL										.02 MG/L		U			
POTASSIUM										6.5 MG/L		U			
SELENIUM										.002 MG/L		UJ			
SILICON										4.9 MG/L		R			
SILVER										.005 MG/L		U			
SODIUM										15.2 MG/L		-			
VANADIUM										.01 MG/L		U			
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U							1 PCI/L		U
URANIUM, TOTAL	1.6 UG/L		NV	1 UG/L		U	.8 UG/L		NV				1.14 UG/L	.12	-
URANIUM-234				1 PCI/L		U							1 PCI/L		U
THORIUM-230				1 PCI/L		U							1 PCI/L		U
RADIUM-226				1 PCI/L		U							1.72 PCI/L	.52	-
URANIUM-235/236				1 PCI/L		U							1 PCI/L		U
THORIUM-232				1 PCI/L		U							1 PCI/L		U
THORIUM, TOTAL				4.4 UG/L		U							1.7 UG/L		U
RADIUM-228				3 PCI/L		U							3 PCI/L		U
THORIUM-228				1 PCI/L		U							1 PCI/L		U
NEPTUNIUM-237				1 PCI/L		U							1 PCI/L		UJ
PLUTONIUM-239/240				1 PCI/L		U							1 PCI/L		UJ
PLUTONIUM-238				1 PCI/L		U							1 PCI/L		UJ
STRONTIUM-90				5 PCI/L		U							5 PCI/L		UJ
TECHNETIUM-99				30 PCI/L		U							40.8 PCI/L	22.5	R
RUTHENIUM-106				150 PCI/L		UJ							150 PCI/L		UJ
CESIUM-137				20 PCI/L		UJ							20 PCI/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068281	068281	068281	068281	067979
TASK:	3.11	3.11	3.11	3.11	3.11
LAB:	IT	IT-KNOX	IT-KNOX	IT	IT
WELL OR BORING NUMBER:	2392	2392	2392	2392	2392
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-OCT-91	02-OCT-91	02-OCT-91	02-OCT-91	05-APR-91
NORTH COORDINATE:	471422.36	471422.36	471422.36	471422.36	471422.36
EAST COORDINATE:	1381580.52	1381580.52	1381580.52	1381580.52	1381580.52
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U						
CHLORIDE							20 MG/L		-						
FLUORIDE							.2 MG/L		-						
NITRATE							.36 MG/L		-						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.03 MG/L		U						
SULFATE							100 MG/L		-						
SULFIDE							11 MG/L		-						
TOTAL ORGANIC CARBON							1 MG/L		U						
TOTAL ORGANIC HALIDES										.01 MG/L		UJ			
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
INORGANICS															
ALUMINUM				.0437 MG/L		J							.08 MG/L		-
ANTIMONY				.03 MG/L		U									
ARSENIC				.002 MG/L		U							.002 MG/L		-
BARIUM				.0593 MG/L		-							.064 MG/L		-
BERYLLIUM				.001 MG/L		U									
CADMIUM				.005 MG/L		U							.006 MG/L		-
CALCIUM				99.6 MG/L		-							106.8 MG/L		-
CHROMIUM				.01 MG/L		U							.021 MG/L		-
COBALT				.02 MG/L		U									
COPPER				.01 MG/L		U							.01 MG/L		-
IRON				.0348 MG/L		J							.036 MG/L		U
LEAD				.002 MG/L		U							.002 MG/L		U
MAGNESIUM				26.9 MG/L		-							28.88 MG/L		-

SAMPLE NUMBER:	068281			068281			068281			068281			067979		
LAB:	IT			IT-KNOX			IT-KNOX			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE				.0184 MG/L		-							.019 MG/L		-
MERCURY				.0002 MG/L		U							.0002 MG/L		U
MOLYBDENUM				.01 MG/L		U							.01 MG/L		U
NICKEL				.02 MG/L		U							.02 MG/L		U
POTASSIUM				7.53 MG/L		-							6.74 MG/L		-
SELENIUM				.002 MG/L		UJ							.002 MG/L		U
SILICON				4.51 MG/L		-							4.497 MG/L		-
SILVER				.005 MG/L		U							.024 MG/L		-
SODIUM				12.6 MG/L		-							15.06 MG/L		-
THALLIUM				.002 MG/L		U									
VANADIUM				.01 MG/L		U							.12 MG/L		-
ZINC				.0136 MG/L		UJ									
RADIONUCLIDES															
URANIUM-238	1 PCI/L		NV										1 PCI/L		U
URANIUM, TOTAL	1 UG/L		NV										12.1 UG/L	1.9	J
URANIUM-234	1 PCI/L		NV										1 PCI/L		U
THORIUM-230	1 PCI/L		NV										1 PCI/L		U
RADIUM-226	1 PCI/L		UNV										1 PCI/L		U
URANIUM-235/236	1 PCI/L		NV										1 PCI/L		U
THORIUM-232	1 PCI/L		NV										1 PCI/L		U
THORIUM, TOTAL	1.4 UG/L		NV										1.29 UG/L	.35	-
RADIUM-228	3 PCI/L		UNV										3 PCI/L		U
THORIUM-228	1 PCI/L		NV										1 PCI/L		U
NEPTUNIUM-237	1 PCI/L		NV										2 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		NV										1 PCI/L		U
PLUTONIUM-238	1 PCI/L		NV										1 PCI/L		U
STRONTIUM-90	5 PCI/L		NV										5 PCI/L		UJ
TECHNETIUM-99	30 PCI/L		NV										30 PCI/L		U
RUTHENIUM-106	150 PCI/L		UNV										150 PCI/L		UJ
CESIUM-137	20 PCI/L		NV										20 PCI/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	067979	067980	068202	068136	068136
TASK:	3.11	3.11	3.11	3.11	3.11
LAB:	IT	WEMCO	IT/RSL	IT	IT
WELL OR BORING NUMBER:	2392	2392	2392	2392	2392
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-APR-91	05-APR-91	10-AUG-91	14-JUL-91	14-JUL-91
NORTH COORDINATE:	471422.36	471422.36	471422.36	471422.36	471422.36
EAST COORDINATE:	1381580.52	1381580.52	1381580.52	1381580.52	1381580.52
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U										.1 MG/L		U
CHLORIDE	20.76 MG/L		-										22.3 MG/L		-
FLUORIDE	.13 MG/L		-										.15 MG/L		-
NITRATE	1.28 MG/L		J										17.7 MG/L		R
PHENOLS	.01 MG/L		U										.03 MG/L		-
PHOSPHORUS	.44 MG/L		-										.17 MG/L		-
SULFATE	33.1 MG/L		-										77.8 MG/L		-
SULFIDE	.5 MG/L		U										.5 MG/L		U
TOTAL ORGANIC CARBON	1.126 MG/L		-										2.24 MG/L		-
TOTAL ORGANIC HALIDES	.01 MG/L		U										.01 MG/L		U
TOTAL ORGANIC NITROGEN	.36 MG/L		-										.133 MG/L		-
INORGANICS															
ALUMINUM										.0905 MG/L		-			
ARSENIC										.000002 MG/L		U			
BARIUM										.0663 MG/L		R			
CADMIUM										.0033 MG/L		-			
CALCIUM										102 MG/L		-			
CHROMIUM										.0224 MG/L		-			
COPPER										.01 MG/L		U			
IRON										.0249 MG/L		-			
LEAD										.000002 MG/L		U			
MAGNESIUM										28.1 MG/L		-			
MANGANESE										.0347 MG/L		-			
MERCURY										.0000002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			

SAMPLE NUMBER:	067979			067980			068202			068136			068136		
LAB:	IT			WEMCO			IT/RSL			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL										.02 MG/L		U			
POTASSIUM										.00868 MG/L		-			
SELENIUM										.000002 MG/L		U			
SILICON										4.49 MG/L		-			
SILVER										.0215 MG/L		-			
SODIUM										13.8 MG/L		-			
VANADIUM										.0114 MG/L		-			
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U	1 PCI/L		NV			
URANIUM, TOTAL				.9 UG/L		NV	1 UG/L		UJ	1 UG/L		NV			
URANIUM-234							1 PCI/L		U	1 PCI/L		NV			
THORIUM-230							1 PCI/L		UJ	1 PCI/L		NV			
RADIUM-226							1 PCI/L		U	1 PCI/L		UNV			
URANIUM-235/236							1 PCI/L		U	1 PCI/L		NV			
THORIUM-232							1 PCI/L		UJ	1 PCI/L		NV			
THORIUM, TOTAL							2.6 UG/L		UJ	2.1 UG/L		NV			
RADIUM-228							3 PCI/L		U	3 PCI/L		UNV			
THORIUM-228							1.14 PCI/L	.38	J	1.21 PCI/L	.35	NV			
NEPTUNIUM-237							1 PCI/L		U	1 PCI/L		NV			
PLUTONIUM-239/240							1 PCI/L		UJ	1 PCI/L		NV			
PLUTONIUM-238							1 PCI/L		UJ	1 PCI/L		NV			
STRONTIUM-90							5 PCI/L		U	7.48 PCI/L	1.63	NV			
TECHNETIUM-99							30 PCI/L		UJ	30 PCI/L		NV			
RUTHENIUM-106							150 PCI/L		R	150 PCI/L		UNV			
CESIUM-137							20 PCI/L		R	20 PCI/L		NV			

0021427

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004349	004349	GW930519-3	GW930519-3	GW930519-3
TASK:	3.2.4	3.2.4	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	2392	2392	2392	2392	2392
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-NOV-90	15-NOV-90	19-MAY-93	19-MAY-93	19-MAY-93
NORTH COORDINATE:	471422.36	471422.36	471422.36	471422.36	471422.36
EAST COORDINATE:	1381580.52	1381580.52	1381580.52	1381580.52	1381580.52
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.17 MG/L		J									
CHLORIDE				22.76 MG/L		-									
FLUORIDE				.11 MG/L		-									
NITRATE				2.91 MG/L		J									
PHENOLS				.01 MG/L		UJ									
PHOSPHORUS				1.61 MG/L		-									
SULFATE				110.96 MG/L		J									
SULFIDE				.5 MG/L		UJ									
TOTAL ORGANIC CARBON				4.69 MG/L		-									
TOTAL ORGANIC HALIDES				.162 MG/L		-									
TOTAL ORGANIC NITROGEN				.31 MG/L		J									
INORGANICS															
ALUMINUM	.069 MG/L		J												
ARSENIC	.002 MG/L		UJ												
BARIUM	.067 MG/L		J												
CADMIUM	.005 MG/L		J												
CALCIUM	113 MG/L		J												
CHROMIUM	.02 MG/L		J												
COPPER	.012 MG/L		J												
IRON	.028 MG/L		J												
LEAD	.002 MG/L		UJ												
MAGNESIUM	30.8 MG/L		J												
MANGANESE	.085 MG/L		J												
MERCURY	.0002 MG/L		UJ												
MOLYBDENUM	.01 MG/L		UJ												

SAMPLE NUMBER:	004349			004349			GW930519-3			GW930519-3			GW930519-3		
LAB:	IT			IT			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.02 MG/L		UJ												
POTASSIUM	5.77 MG/L		J												
SELENIUM	.002 MG/L		UJ												
SILICON	5.07 MG/L		J												
SILVER	.019 MG/L		J												
SODIUM	15.9 MG/L		J												
VANADIUM	.01 MG/L		UJ												
RADIONUCLIDES															
URANIUM-238							.2 PCI/L	1	UJ	.2 PCI/L	.2	U			
URANIUM, TOTAL				1.19 UG/L	.13	-	.7 UG/L	.1	-	.8 UG/L	.1	-	.7 UG/L		NV
URANIUM-234							.3 PCI/L	.6	J	.4 PCI/L	.2	-			
THORIUM-230				1 PCI/L		R	.3 PCI/L	.3	J	.3 PCI/L	.2	UJ			
RADIUM-226				1 PCI/L		UJ	1 PCI/L	.4	UJ	1 PCI/L	.2	UJ			
URANIUM-235/236							.2 PCI/L	.1	UJ	.2 PCI/L	.3	U			
THORIUM-232				1 PCI/L		R	.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ			
THORIUM, TOTAL				3.2 UG/L		R				.9120366 PCI/L	.2	NV			
RADIUM-228				3 PCI/L		R	3 PCI/L	.9	UJ	3 PCI/L	1.5	U			
THORIUM-228				1.07 PCI/L	.4	R	.2 PCI/L	.3	UJ	.3 PCI/L	.2	J			
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		UJ									
PLUTONIUM-238				1 PCI/L		UJ									
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		R	24.6 PCI/L	8.9	-	15 PCI/L	7.6	U			
RUTHENIUM-106				150 PCI/L		UJ									
CESIUM-137				20 PCI/L		UJ									
GROSS ALPHA							3 PCI/L	1.4	UNV	2.8 PCI/L	1.3	NV			
GROSS BETA							3.5 PCI/L	2.1	UNV	10.2 PCI/L	1.5	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930519-3			GW930519-3			GW930519-3			GW930519-5			GW930519-5		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	FERMCO			NET			NET			CORE			CORE		
WELL OR BORING NUMBER:	2392			2392			2392			2392			2392		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-MAY-93			19-MAY-93			19-MAY-93			19-MAY-93			19-MAY-93		
NORTH COORDINATE:	471422.36			471422.36			471422.36			471422.36			471422.36		
EAST COORDINATE:	1381580.52			1381580.52			1381580.52			1381580.52			1381580.52		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			DUPLICATE		
QC OF:										GW930519-3			GW930519-3		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							280 MG/L		-						
AMMONIA							.02 MG/L		U						
BICARBONATE ALKALINITY							348 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE							22 MG/L		-						
FLUORIDE							.14 MG/L		-						
NITRATE/NITRITE							1.36 MG/L		-						
PH							7.39 SU		-						
PHENOLS							.01 MG/L		UJ						
PHOSPHORUS							.13 MG/L		-						
SPECIFIC CONDUCTIVITY							815 UMHOS/CM		-						
SULFATE							97 MG/L		-						
TOTAL DISSOLVED SOLIDS				470 MG/L		-									
TOTAL KJELDAHL NITROGEN							.16 MG/L		-						
TOTAL ORGANIC CARBON							1 MG/L		U						
TOTAL ORGANIC HALIDES							.01 MG/L		U						
TOTAL ORGANIC NITROGEN							.16 MG/L		-						
TOTAL SOLIDS							538 MG/L		-						
INORGANICS															
ALUMINUM				.02 MG/L		U	.0742 MG/L		-						
ANTIMONY				.045 MG/L		U	.045 MG/L		UJ						
ARSENIC				.002 MG/L		U	.002 MG/L		UJ						
BARIUM				.0446 MG/L		-	.0544 MG/L		-						
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						
CADMIUM				.003 MG/L		U	.003 MG/L		U						

SAMPLE NUMBER:	GW930519-3			GW930519-3			GW930519-3			GW930519-5			GW930519-5		
LAB:	FERMCO			NET			NET			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				94.6 MG/L		-	100 MG/L		-						
CHROMIUM				.005 MG/L		U	.005 MG/L		U						
COBALT				.008 MG/L		U	.008 MG/L		U						
COPPER				.0043 MG/L		U	.004 MG/L		U						
CYANIDE				.01 MG/L		U	.01 MG/L		U						
IRON				.015 MG/L		U	.221 MG/L		J						
LEAD				.001 MG/L		UJ	.0014 MG/L		J						
MAGNESIUM				24.7 MG/L		-	28.7 MG/L		-						
MANGANESE				.0173 MG/L		-	.187 MG/L		J						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.02 MG/L		U	.02 MG/L		U						
POTASSIUM				4.33 MG/L		-	4.23 MG/L		-						
SELENIUM				.0015 MG/L		U	.001 MG/L		U						
SILVER				.007 MG/L		U	.007 MG/L		U						
SODIUM				12.9 MG/L		-	14.4 MG/L		-						
THALLIUM				.002 MG/L		U	.002 MG/L		U						
VANADIUM				.003 MG/L		U	.003 MG/L		U						
ZINC				.005 MG/L		U	.0078 MG/L		U						
RADIONUCLIDES															
URANIUM-238										9 PCI/L	1.3	J	.2 PCI/L	.2	U
URANIUM, TOTAL	.6 UG/L		NV							.7 UG/L	.1	-	.9 UG/L	.1	-
URANIUM-234										7.9 PCI/L	1.2	J	.4 PCI/L	.2	-
THORIUM-230										.2 PCI/L	.2	UJ	.3 PCI/L	.2	UJ
RADIUM-226										1 PCI/L	.4	UJ	1 PCI/L	.2	UJ
URANIUM-235/236										.5 PCI/L	.3	J	.2 PCI/L	.3	U
THORIUM-232										.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ
RADIUM-228										3 PCI/L	.9	UJ	3.7 PCI/L	1.8	-
THORIUM-228										.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ
TECHNETIUM-99										15 PCI/L	8.2	U	15 PCI/L	7.8	U
GROSS ALPHA										2.3 PCI/L	1.1	NV	3.6 PCI/L	1	NV
GROSS BETA										5.4 PCI/L	1.6	NV	11 PCI/L	1.4	NV
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		UJ						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						

SAMPLE NUMBER:	GW930519-3			GW930519-3			GW930519-3			GW930519-5			GW930519-5		
LAB:	FERMCO			NET			NET			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		UJ						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930519-5	GW930519-5	GW930519-5	GW930519-5	004316
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.2.4
LAB:	FERMCO	FERMCO	NET	NET	IT
WELL OR BORING NUMBER:	2392	2392	2392	2392	2393
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-MAY-93	19-MAY-93	19-MAY-93	19-MAY-93	01-AUG-90
NORTH COORDINATE:	471422.36	471422.36	471422.36	471422.36	472627.57
EAST COORDINATE:	1381580.52	1381580.52	1381580.52	1381580.52	1379379.79
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL
QC OF:	GW930519-3	GW930519-3	GW930519-3	GW930519-3	
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										268 MG/L		-			
AMMONIA										.02 MG/L		U			
BICARBONATE ALKALINITY										354 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										25 MG/L		-			
FLUORIDE										.14 MG/L		-			
NITRATE/NITRITE										1.34 MG/L		-			
PH										7.37 SU		-			
PHENOLS										.01 MG/L		UJ			
PHOSPHORUS										.306 MG/L		U			
SPECIFIC CONDUCTIVITY										640 UMHOS/CM		-			
SULFATE										98 MG/L		-			
TOTAL DISSOLVED SOLIDS							462 MG/L		-						
TOTAL KJELDAHL NITROGEN										.52 MG/L		-			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.52 MG/L		-			
TOTAL SOLIDS										535 MG/L		-			
INORGANICS															
ALUMINUM							.02 MG/L		U	.108 MG/L		-	.084 MG/L		-
ANTIMONY							.045 MG/L		U	.045 MG/L		U			
ARSENIC							.002 MG/L		U	.002 MG/L		UJ	.011 MG/L		-
BARIUM							.0474 MG/L		-	.053 MG/L		-	.026 MG/L		-
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.003 MG/L		U	.003 MG/L		U	.005 MG/L		-

SAMPLE NUMBER:	GW930519-5			GW930519-5			GW930519-5			GW930519-5			004316		
LAB:	FERMCO			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM							94 MG/L		-	102 MG/L		-	115 MG/L		-
CHROMIUM							.005 MG/L		U	.005 MG/L		U	.031 MG/L		-
COBALT							.008 MG/L		U	.008 MG/L		U			
COPPER							.005 MG/L		U	.0055 MG/L		U	.01 MG/L		-
CYANIDE							.01 MG/L		U	.01 MG/L		U			
IRON							.015 MG/L		U	.388 MG/L		J	.174 MG/L		-
LEAD							.001 MG/L		UJ	.0038 MG/L		J	.004 MG/L		J
MAGNESIUM							25.8 MG/L		-	29.1 MG/L		-	33.5 MG/L		-
MANGANESE							.0141 MG/L		-	.207 MG/L		J	.078 MG/L		-
MERCURY							.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM													.01 MG/L		U
NICKEL							.02 MG/L		U	.02 MG/L		U	.02 MG/L		U
POTASSIUM							4.6 MG/L		-	4.46 MG/L		-	17.8 MG/L		-
SELENIUM							.0014 MG/L		U	.0016 MG/L		UJ	.002 MG/L		U
SILICON													6.36 MG/L		-
SILVER							.007 MG/L		U	.007 MG/L		U	.015 MG/L		-
SODIUM							14 MG/L		-	14.7 MG/L		-	15.7 MG/L		-
THALLIUM							.002 MG/L		U	.002 MG/L		U			
VANADIUM							.003 MG/L		U	.003 MG/L		U	.013 MG/L		-
ZINC							.005 MG/L		U	.0107 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL	.6 UG/L		NV	.6 UG/L		NV									
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			

SAMPLE NUMBER:	GW930519-5			GW930519-5			GW930519-5			GW930519-5			004316		
LAB:	FERMCO			FERMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		UJ			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										3 UG/L		J			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004316	067992	067992	067992	004381
TASK:	3.2.4	3.11	3.11	3.11	3.2.4
LAB:	IT	IT	IT	IT/RSL	IT
WELL OR BORING NUMBER:	2393	2393	2393	2393	2393
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-AUG-90	06-MAY-91	06-MAY-91	06-MAY-91	07-FEB-91
NORTH COORDINATE:	472627.57	472627.57	472627.57	472627.57	472627.57
EAST COORDINATE:	1379379.79	1379379.79	1379379.79	1379379.79	1379379.79
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U				.1 MG/L		UJ						
CHLORIDE	5.54 MG/L		-				9.32 MG/L		-						
FLUORIDE	.05 MG/L		U				.1 MG/L		U						
NITRATE	1.21 MG/L		J				2.19 MG/L		J						
PHENOLS	.01 MG/L		U				.01 MG/L		U						
PHOSPHORUS	10.8 MG/L		-				6.04 MG/L		J						
SULFATE	5431 MG/L		-				59.7 MG/L		-						
SULFIDE	.5 MG/L		U				.5 MG/L		U						
TOTAL ORGANIC CARBON	3.02 MG/L		-				1.35 MG/L		-						
TOTAL ORGANIC HALIDES	.01 MG/L		U				.01 MG/L		U						
TOTAL ORGANIC NITROGEN	.271 MG/L		-				.1 MG/L		UJ						
INORGANICS															
ALUMINUM				.077 MG/L		-							.04 MG/L		-
ANTIMONY													.03 MG/L		U
ARSENIC				.01 MG/L		J							.013 MG/L		-
BARIUM				.028 MG/L		-							.021 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM				.006 MG/L		-							.005 MG/L		U
CALCIUM				103.3 MG/L		-							107 MG/L		-
CHROMIUM				.02 MG/L		-							.01 MG/L		U
COBALT													.02 MG/L		U
COPPER				.021 MG/L		-							.01 MG/L		U
IRON				.026 MG/L		-							.03 MG/L		J
LEAD				.002 MG/L		U							.002 MG/L		U
MAGNESIUM				33.5 MG/L		-							31.4 MG/L		-

SAMPLE NUMBER:	004316			067992			067992			067992			004381		
LAB:	IT			IT			IT			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE				.005 MG/L		-							.004 MG/L		-
MERCURY				.0002 MG/L		U							.001 MG/L		U
MOLYBDENUM				.01 MG/L		U							.09 MG/L		-
NICKEL				.021 MG/L		-							.02 MG/L		-
POTASSIUM				7.5 MG/L		-							9 MG/L		-
SELENIUM				.002 MG/L		U							.004 MG/L		U
SILICON				5.74 MG/L		-							7.3 MG/L		-
SILVER				.018 MG/L		-							.007 MG/L		-
SODIUM				12.2 MG/L		-							11.7 MG/L		-
THALLIUM													.04 MG/L		U
VANADIUM				.011 MG/L		-							.01 MG/L		U
ZINC													1.2 MG/L		J
RADIONUCLIDES															
URANIUM-238	1.09 PCI/L	.26	J							1 PCI/L		U			
URANIUM, TOTAL	3.25 UG/L	.8	-							1 UG/L		U			
URANIUM-234	1.02 PCI/L	.25	J							1 PCI/L		U			
THORIUM-230	1.58 PCI/L	.48	-							5.48 PCI/L	1.39	-			
RADIUM-226	1 PCI/L		U							1 PCI/L		U			
URANIUM-235/236	1 PCI/L		U							1 PCI/L		U			
THORIUM-232	1 PCI/L		U							1 PCI/L		U			
THORIUM, TOTAL	3 UG/L		U							5.6 UG/L		U			
RADIUM-228	3 PCI/L		U							3 PCI/L		U			
THORIUM-228	1 PCI/L		U							1.7 PCI/L	.69	J			
NEPTUNIUM-237	1 PCI/L		U							1 PCI/L		U			
PLUTONIUM-239/240	1 PCI/L		U							1 PCI/L		R			
PLUTONIUM-238	1 PCI/L		U							1 PCI/L		R			
STRONTIUM-90	5 PCI/L		UJ							5 PCI/L		U			
TECHNETIUM-99	30 PCI/L		UJ							30 PCI/L		UJ			
RUTHENIUM-106	150 PCI/L		UJ							150 PCI/L		UJ			
CESIUM-137	20 PCI/L		UJ							20 PCI/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004381	068400	068401	068447	068447
TASK:	3.2.4	3.11	3.11	3.11	3.11
LAB:	IT	IT	WEMCO	IT	IT
WELL OR BORING NUMBER:	2393	2393	2393	2393	2393
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-FEB-91	07-NOV-91	07-NOV-91	10-DEC-91	10-DEC-91
NORTH COORDINATE:	472627.57	472627.57	472627.57	472627.57	472627.57
EAST COORDINATE:	1379379.79	1379379.79	1379379.79	1379379.79	1379379.79
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA													.1 MG/L		U
CHLORIDE													13.3 MG/L		-
FLUORIDE													.1 MG/L		U
NITRATE													.074 MG/L		-
PHENOLS													.024 MG/L		-
PHOSPHORUS													11.7 MG/L		-
SULFATE													73.4 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL ORGANIC CARBON													1 MG/L		U
TOTAL ORGANIC HALIDES													.01 MG/L		UJ
TOTAL ORGANIC NITROGEN													.1 MG/L		U
INORGANICS															
ALUMINUM										.0844 MG/L		-			
ARSENIC										.0161 MG/L		-			
BARIUM										.011 MG/L		-			
CADMIUM										.0037 MG/L		-			
CALCIUM										100 MG/L		-			
CHROMIUM										.0246 MG/L		-			
COPPER										.01 MG/L		U			
IRON										.0283 MG/L		J			
LEAD										.002 MG/L		UJ			
MAGNESIUM										28.9 MG/L		-			
MANGANESE										.0079 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			

SAMPLE NUMBER:	004381			068400			068401			068447			068447		
LAB:	IT			IT			WEMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL										.02 MG/L		U			
POTASSIUM										8.42 MG/L		-			
SELENIUM										.002 MG/L		U			
SILICON										6.25 MG/L		-			
SILVER										.0219 MG/L		-			
SODIUM										7.78 MG/L		-			
VANADIUM										.0123 MG/L		-			
RADIONUCLIDES															
URANIUM-238	1.56 PCI/L	.36	-	1 PCI/L		U				1 PCI/L		U			
URANIUM, TOTAL	1 UG/L		UJ	1 UG/L		U	.3 UG/L		NV	1 UG/L		U			
URANIUM-234	1.88 PCI/L	.4	-	1 PCI/L		U				1 PCI/L		U			
THORIUM-230	1.62 PCI/L	.35	-							1 PCI/L		U			
RADIUM-226	1 PCI/L		R	1 PCI/L		U				1 PCI/L		U			
URANIUM-235/236	1 PCI/L		U	1 PCI/L		U				1 PCI/L		U			
THORIUM-232	1 PCI/L		U							1 PCI/L		U			
THORIUM, TOTAL	1.4 UG/L		U							2.9 UG/L		U			
RADIUM-228	3 PCI/L		R	3 PCI/L		UJ				3 PCI/L		R			
THORIUM-228	1 PCI/L		U							1 PCI/L		U			
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		UJ	1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238	1 PCI/L		UJ	1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90	5 PCI/L		U	5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99	30 PCI/L		U	30 PCI/L		U				30 PCI/L		UJ			
RUTHENIUM-106	150 PCI/L		R	150 PCI/L		UJ				150 PCI/L		UJ			
CESIUM-137	20 PCI/L		R	20 PCI/L		UJ				20 PCI/L		UJ			
GROSS ALPHA										3 PCI/L		UNV			
GROSS BETA										4 PCI/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068320	068321	068571	068033	068034
TASK:	3.11	3.11	3.11	3.11	3.11
LAB:	IT	WEMCO	IT	IT	WEMCO
WELL OR BORING NUMBER:	2393	2393	2393	2393	2393
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-OCT-91	16-OCT-91	18-FEB-92	19-MAY-91	19-MAY-91
NORTH COORDINATE:	472627.57	472627.57	472627.57	472627.57	472627.57
EAST COORDINATE:	1379379.79	1379379.79	1379379.79	1379379.79	1379379.79
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-FIL	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238	1 PCI/L		NV				1 PCI/L		U	1 PCI/L		U			
URANIUM, TOTAL	1 UG/L		NV	.1 UG/L		UNV	1 UG/L		U	1 UG/L		U	.3 UG/L		NV
URANIUM-234	1 PCI/L		NV				1 PCI/L		U	1 PCI/L		U			
THORIUM-230							1 PCI/L		U	1 PCI/L		U			
RADIUM-226	1 PCI/L		UNV				1 PCI/L		U	1 PCI/L		U			
URANIUM-235/236	1 PCI/L		NV				1 PCI/L		U	1 PCI/L		U			
THORIUM-232							1 PCI/L		U	1 PCI/L		U			
THORIUM, TOTAL							4.2 UG/L		U	2 UG/L		U			
RADIUM-228	3 PCI/L		UNV							3 PCI/L		R			
THORIUM-228							1 PCI/L		U	1 PCI/L		U			
NEPTUNIUM-237							1 PCI/L		UJ	1 PCI/L		U			
PLUTONIUM-239/240							1 PCI/L		U	1 PCI/L		R			
PLUTONIUM-238							1 PCI/L		U	1 PCI/L		R			
STRONTIUM-90	5 PCI/L		NV				5 PCI/L		U	5 PCI/L		U			
TECHNETIUM-99	30 PCI/L		NV				30 PCI/L		UJ	30 PCI/L		U			
RUTHENIUM-106	150 PCI/L		UNV				150 PCI/L		R	150 PCI/L		UJ			
CESIUM-137	20 PCI/L		NV				20 PCI/L		R	20 PCI/L		UJ			
GROSS ALPHA							3 PCI/L		UNV						
GROSS BETA							8.13 PCI/L	2.84	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068101	068529	068255	068256	EMGW_SYSGEN_814
TASK:	3.11	3.11	3.11	3.11	GWMON
LAB:	IT	IT-KNOX	IT	WEMCO	WMCO
WELL OR BORING NUMBER:	2393	2393	2393	2393	2393
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-JUN-91	22-JAN-92	23-SEP-91	23-SEP-91	28-AUG-91
NORTH COORDINATE:	472627.57	472627.57	472627.57	472627.57	472627.57
EAST COORDINATE:	1379379.79	1379379.79	1379379.79	1379379.79	1379379.79
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UNV												
CHLORIDE	12.2 MG/L		NV												
FLUORIDE	.12 MG/L		NV												
NITRATE	178 MG/L		NV												
PHENOLS	.01 MG/L		UNV												
PHOSPHORUS	8.16 MG/L		NV												
SULFATE	66.6 MG/L		NV												
SULFIDE	.5 MG/L		UNV												
TOTAL ORGANIC CARBON	2.84 MG/L		NV												
TOTAL ORGANIC HALIDES	.01 MG/L		UNV				.012 MG/L		NV						
TOTAL ORGANIC NITROGEN	.1 MG/L		UNV												
INORGANICS															
ALUMINUM	102 MG/L		NV												
ARSENIC	.0097 MG/L		NV												
BARIUM	23.6 MG/L		NV												
CADMIUM	4.7 MG/L		NV												
CALCIUM	101000 MG/L		NV												
CHROMIUM	27.2 MG/L		NV												
COPPER	10.3 MG/L		NV												
IRON	27.5 MG/L		NV												
LEAD	.002 MG/L		UNV												
MAGNESIUM	32100 MG/L		NV												
MANGANESE	4.4 MG/L		NV												
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	10 MG/L		UNV												

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SAMPLE NUMBER:	068101			068529			068255			068256			EMGW_SYSGEN_814		
LAB:	IT			IT-KNOX			IT			WEMCO			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.020 MG/L		UNV												
POTASSIUM	8.72 MG/L		NV												
SELENIUM	.002 MG/L		UNV												
SILICON	5760 MG/L		NV												
SILVER	24 MG/L		NV												
SODIUM	11900 MG/L		NV												
VANADIUM	14.6 MG/L		NV												
RADIONUCLIDES															
URANIUM-238	6.32 PCI/L	.94	NV	1 PCI/L		U	1 PCI/L		UNV						
URANIUM, TOTAL	1 UG/L		UNV	1 UG/L		U	3.44316 PCI/L		UNV	.1 UG/L		UNV	.3 UG/L		NV
URANIUM-234	6.11 PCI/L	.92	NV	1 PCI/L		U	1 PCI/L		UNV						
THORIUM-230	1 PCI/L		UNV	1 PCI/L		U									
RADIUM-226	1 PCI/L		UNV	1 PCI/L		UJ	1 PCI/L		UNV						
URANIUM-235/236	1 PCI/L		UNV	1 PCI/L		U	1 PCI/L		UNV						
THORIUM-232	1 PCI/L		UNV	1 PCI/L		U									
THORIUM, TOTAL	2 UG/L		UNV	3.6 UG/L		UJ									
RADIUM-228	3 PCI/L		UNV	4.95 PCI/L	1.84	-	5 PCI/L		UNV						
THORIUM-228	1 PCI/L		UNV	2.66 PCI/L	.94	-									
NEPTUNIUM-237	1 PCI/L		UNV	1 PCI/L		U	1 PCI/L		UNV						
PLUTONIUM-239/240	1 PCI/L		UNV	1 PCI/L		U									
PLUTONIUM-238	1 PCI/L		UNV	1 PCI/L		U									
STRONTIUM-90	5 PCI/L		UNV	5 PCI/L		U	5 PCI/L		UNV						
TECHNETIUM-99	30 PCI/L		UNV	30 PCI/L		UJ	30 PCI/L		UNV						
RUTHENIUM-106	150 PCI/L		UNV	150 PCI/L		R	150 PCI/L		UNV						
CESIUM-137	20 PCI/L		UNV	20 PCI/L		R	20 PCI/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_818	EMGW_SYSGEN_819	004320	004320	GW930513-10
TASK:	GWMON	GWMON	3.2.4	3.2.4	50.03.23
LAB:	WMCO	WMCO	IT	IT	CORE
WELL OR BORING NUMBER:	2394	2394	2394	2394	2394
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-MAY-91	12-AUG-91	13-AUG-90	13-AUG-90	13-MAY-93
NORTH COORDINATE:	473323.2	473323.2	473323.2	473323.2	473323.2
EAST COORDINATE:	1381294.31	1381294.31	1381294.31	1381294.31	1381294.31
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		U			
CHLORIDE										13.8 MG/L		-			
FLUORIDE										.14 MG/L		-			
NITRATE										.25 MG/L		J			
PHENOLS										.01 MG/L		-			
PHOSPHORUS										.09 MG/L		-			
SULFATE										152 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON										1.8 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.1 MG/L		U			
INORGANICS															
ALUMINUM							.088 MG/L		-						
ARSENIC							.002 MG/L		U						
BARIUM							.104 MG/L		-						
CADMIUM							.004 MG/L		-						
CALCIUM							127 MG/L		-						
CHROMIUM							.018 MG/L		-						
COPPER							.01 MG/L		U						
IRON							1.25 MG/L		J						
LEAD							.005 MG/L		UJ						
MAGNESIUM							32 MG/L		-						
MANGANESE							.189 MG/L		-						
MERCURY							.0002 MG/L		UJ						
MOLYBDENUM							.01 MG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_818			EMGW_SYSGEN_819			004320			004320			GW930513-10		
LAB:	WMCO			WMCO			IT			IT			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL							.02 MG/L		U						
POTASSIUM							3.95 MG/L		J						
SELENIUM							.002 MG/L		U						
SILICON							4.74 MG/L		-						
SILVER							.014 MG/L		-						
SODIUM							16.5 MG/L		-						
VANADIUM							.01 MG/L		-						
RADIONUCLIDES															
URANIUM-238										1.67 PCI/L	.77	J	.3 PCI/L	.4	J
URANIUM, TOTAL	.4 UG/L		NV	1.1 UG/L		NV				1.5 UG/L	.16	-	.8 UG/L	.1	J
URANIUM-234										3.21 PCI/L	1.03	J	.2 PCI/L	.3	UJ
THORIUM-230										1 PCI/L		U	.3 PCI/L	.4	UJ
RADIUM-226										1 PCI/L		U	1 PCI/L	.4	U
URANIUM-235/236										1 PCI/L		UJ	.2 PCI/L	.1	UJ
THORIUM-232										1 PCI/L		U	.4 PCI/L	.3	UJ
THORIUM, TOTAL										1.7 UG/L		U			
RADIUM-228										3 PCI/L		UJ	3 PCI/L	1.2	UJ
THORIUM-228										1.96 PCI/L	.42	-	.3 PCI/L	.6	UJ
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA													3.6 PCI/L	2	UNV
GROSS BETA													4.4 PCI/L	1.6	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930513-10	GW930513-10	GW930513-10	GW930513-10	GW930513-10
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	FERMCO	FERMCO	LOCKHEED	LOCKHEED
WELL OR BORING NUMBER:	2394	2394	2394	2394	2394
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-MAY-93	13-MAY-93	13-MAY-93	13-MAY-93	13-MAY-93
NORTH COORDINATE:	473323.2	473323.2	473323.2	473323.2	473323.2
EAST COORDINATE:	1381294.31	1381294.31	1381294.31	1381294.31	1381294.31
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													280 MG/L		-
AMMONIA													.1 MG/L		-
BICARBONATE ALKALINITY													280 MG/L		-
CARBONATE ALKALINITY													30 MG/L		U
CHLORIDE													26 MG/L		-
FLUORIDE													.16 MG/L		-
NITRATE/NITRITE													.05 MG/L		U
PH													7.3 SU		-
PHENOLS													.15 MG/L		U
PHOSPHORUS													.34 MG/L		-
SPECIFIC CONDUCTIVITY													880 UMHOS/CM		-
SULFATE													140 MG/L		-
TOTAL DISSOLVED SOLIDS										520 MG/L		-			
TOTAL ORGANIC CARBON													1.3 MG/L		-
TOTAL ORGANIC HALIDES													.092 MG/L		-
TOTAL ORGANIC NITROGEN													.103 MG/L		U
TOTAL SOLIDS													520 MG/L		-
INORGANICS															
ALUMINUM										.024 MG/L		U	.0412 MG/L		-
ANTIMONY										.027 MG/L		U	.027 MG/L		U
ARSENIC										.002 MG/L		U	.002 MG/L		U
BARIUM										.111 MG/L		-	.149 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.002 MG/L		U	.002 MG/L		U
CALCIUM										125 MG/L		-	132 MG/L		

SAMPLE NUMBER:	GW930513-10			GW930513-10			GW930513-10			GW930513-10			GW930513-10		
LAB:	CORE			FERMCO			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM										.004 MG/L		U	.0091 MG/L		U
COBALT										.005 MG/L		U	.005 MG/L		U
COPPER										.003 MG/L		U	.003 MG/L		U
CYANIDE										.02 MG/L		UJ	.02 MG/L		UJ
IRON										1.04 MG/L		-	8.06 MG/L		-
LEAD										.002 MG/L		U	.002 MG/L		U
MAGNESIUM										30.1 MG/L		-	31.8 MG/L		-
MANGANESE										.193 MG/L		-	.217 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM										.011 MG/L		U	.011 MG/L		U
NICKEL										.011 MG/L		U	.011 MG/L		U
POTASSIUM										2.14 MG/L		-	2.53 MG/L		-
SELENIUM										.001 MG/L		UJ	.001 MG/L		UJ
SILVER										.004 MG/L		U	.004 MG/L		U
SODIUM										12.5 MG/L		-	13.8 MG/L		-
THALLIUM										.003 MG/L		U	.003 MG/L		U
VANADIUM										.004 MG/L		U	.004 MG/L		U
ZINC										.003 MG/L		U	.0096 MG/L		U
RADIONUCLIDES															
URANIUM-238	.8 PCI/L	.4	-												
URANIUM, TOTAL	.7 UG/L	.1	-	.7 UG/L		NV	.6 UG/L		NV						
URANIUM-234	.7 PCI/L	.4	-												
THORIUM-230	.3 PCI/L	.1	U												
RADIUM-226	1 PCI/L	.3	UJ												
URANIUM-235/236	.2 PCI/L	.8	U												
THORIUM-232	.2 PCI/L	.1	U												
RADIUM-228	3.2 PCI/L	1.8	U												
THORIUM-228	.2 PCI/L	.1	U												
GROSS ALPHA	6 PCI/L	3.4	UNV												
GROSS BETA	5.2 PCI/L	3.1	UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U

SAMPLE NUMBER:	GW930513-10			GW930513-10			GW930513-10			GW930513-10			GW930513-10		
LAB:	CORE			FERMCO			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		UJ
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		UJ
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	2394-02-R2	004204	004204	068492	068492
TASK:	RCRACLOS	3.2.4	3.2.4	3.11	3.11
LAB:	ENSR	IT	IT	IT	IT
WELL OR BORING NUMBER:	2394	2394	2394	2395	2395
DEPTH:	0-0	-	-	-	-
DATE COLLECTED:	22-AUG-90	31-MAY-90	31-MAY-90	23-DEC-91	23-DEC-91
NORTH COORDINATE:	473192	473323.2	473323.2	471685.09	471685.09
EAST COORDINATE:	1381423	1381294.31	1381294.31	1382128.31	1382128.31
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UNV				.1 MG/L		U				.1 MG/L		U
CHEMICAL OXYGEN DEMAND	11 MG/L		NV												
CHLORIDE	28 MG/L		NV				13.6 MG/L		-				35.2 MG/L		-
FLUORIDE							.13 MG/L		-				.165 MG/L		J
NITRATE							.19 MG/L		R				.31 MG/L		-
PHENOLS							.01 MG/L		-				.01 MG/L		U
PHOSPHORUS							.09 MG/L		-				.05 MG/L		-
SULFATE	140 MG/L		NV				128 MG/L		-				105 MG/L		-
SULFIDE							.5 MG/L		U				.5 MG/L		U
TOTAL DISSOLVED SOLIDS	520 MG/L		NV												
TOTAL ORGANIC CARBON							2 MG/L		J				1 MG/L		U
TOTAL ORGANIC HALIDES							.01 MG/L		R				.01 MG/L		U
TOTAL ORGANIC NITROGEN							.24 MG/L		-				.1 MG/L		U
INORGANICS															
ALUMINUM	.085 MG/L		NV	.06 MG/L		U				.138 MG/L		-			
ANTIMONY	.035 MG/L		UNV												
ARSENIC	.002 MG/L		UNV	.002 MG/L		U				.002 MG/L		U			
BARIUM	.093 MG/L		NV	.062 MG/L		-				.0593 MG/L		-			
BERYLLIUM	.001 MG/L		UNV												
CADMIUM	.005 MG/L		UNV	.005 MG/L		-				.0055 MG/L		-			
CALCIUM	118 MG/L		NV	111 MG/L		-				116 MG/L		-			
CHROMIUM	.006 MG/L		UNV	.029 MG/L		-				.0382 MG/L		-			
COBALT	.004 MG/L		UNV												
COPPER	.008 MG/L		UNV	.01 MG/L		U				.0131 MG/L		-			
CYANIDE	.01 MG/L		UNV												

SAMPLE NUMBER:	2394-02-R2			004204			004204			068492			068492		
LAB:	ENSR			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	1.62 MG/L		NV	.813 MG/L		-				.122 MG/L		-			
LEAD	.002 MG/L		UNV	.002 MG/L		U				.002 MG/L		U			
MAGNESIUM	29.9 MG/L		NV	29.7 MG/L		U				30 MG/L		-			
MANGANESE	.183 MG/L		NV	.143 MG/L		-				.234 MG/L		-			
MERCURY	.0002 MG/L		UNV	.0003 MG/L		-							.0002 MG/L		U
MOLYBDENUM				.01 MG/L		U				.01 MG/L		U			
NICKEL	.039 MG/L		UNV	.02 MG/L		U				.02 MG/L		U			
POTASSIUM	3.64 MG/L		NV	2.13 MG/L		-				2.92 MG/L		-			
SELENIUM	.01 MG/L		UNV	.002 MG/L		U				.002 MG/L		U			
SILICON				4.71 MG/L		-				3.65 MG/L		-			
SILVER	.008 MG/L		UNV	.018 MG/L		-				.0303 MG/L		-			
SODIUM	17.6 MG/L		NV	13.2 MG/L		-				12.7 MG/L		-			
THALLIUM	.002 MG/L		UNV												
VANADIUM	.004 MG/L		UNV	.012 MG/L		-				.0195 MG/L		-			
ZINC	.01 MG/L		NV												
MISC															
ACROLEIN	25 UG/L		UNV												
ACROLEIN	25 UG/L		UNV												
ACROLEIN	25 UG/L		UNV												
ACROLEIN	25 UG/L		UNV												
ACRYLONITRILE	25 UG/L		UNV												
POTASSIUM-40	90 PCI/L		UNV												
PESTICIDES															
4,4'-DDD	.01 UG/L		UNV												
4,4'-DDE	.01 UG/L		UNV												
4,4'-DDT	.01 UG/L		UNV												
ALDRIN	.005 UG/L		UNV												
ALPHA-BHC	.005 UG/L		UNV												
ALPHA-CHLORDANE	.05 UG/L		UNV												
AROCLOR-1016	.05 UG/L		UNV												
AROCLOR-1221	.05 UG/L		UNV												
AROCLOR-1232	.05 UG/L		UNV												
AROCLOR-1242	.05 UG/L		UNV												
AROCLOR-1248	.05 UG/L		UNV												
AROCLOR-1254	.1 UG/L		UNV												
AROCLOR-1260	.1 UG/L		UNV												
BETA-BHC	.005 UG/L		UNV												
DELTA-BHC	.005 UG/L		UNV												

SAMPLE NUMBER:	2394-02-R2			004204			004204			068492			068492		
LAB:	ENSR			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
DIELDRIN	.01 UG/L		UNV												
ENDOSULFAN II	.01 UG/L		UNV												
ENDOSULFAN SULFATE	.01 UG/L		UNV												
ENDOSULFAN-I	.005 UG/L		UNV												
ENDRIN	.01 UG/L		UNV												
ENDRIN KETONE	.01 UG/L		UNV												
GAMMA-BHC (LINDANE)	.005 UG/L		UNV												
GAMMA-CHLORDANE	.05 UG/L		UNV												
HEPTACHLOR	.005 UG/L		UNV												
HEPTACHLOR EPOXIDE	.005 UG/L		UNV												
METHOXYCHLOR	.05 UG/L		UNV												
TOXAPHENE	.1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1 PCI/L		U	4.31 PCI/L	1.51	-			
URANIUM, TOTAL	.5 PCI/L	.3	NV				1.13 UG/L	.12	J	1.09 UG/L	.12	J			
URANIUM-234							1 PCI/L		U	4.74 PCI/L	1.7	-			
THORIUM-230							1 PCI/L		U	2.19 PCI/L	.9	-			
RADIUM-226							1 PCI/L		R	1 PCI/L		UJ			
URANIUM-235/236							1 PCI/L		U	3.77 PCI/L	1.38	-			
THORIUM-232							1 PCI/L		U	1 PCI/L		U			
THORIUM, TOTAL							2.4 UG/L		U	4.2 UG/L		U			
RADIUM-228							3 PCI/L		U	3 PCI/L		UJ			
THORIUM-228							1 PCI/L		U	1 PCI/L		U			
NEPTUNIUM-237							1 PCI/L		U	1 PCI/L		U			
PLUTONIUM-239/240							1 PCI/L		U	1 PCI/L		U			
PLUTONIUM-238							1 PCI/L		UJ	1 PCI/L		U			
STRONTIUM-90							5 PCI/L		U	5 PCI/L		U			
TECHNETIUM-99							30 PCI/L		U	30 PCI/L		UJ			
RUTHENIUM-106							150 PCI/L		UJ	150 PCI/L		UJ			
CESIUM-137							20 PCI/L		UJ	20 PCI/L		UJ			
GROSS ALPHA	4 PCI/L		UNV							7.33 PCI/L	4.13	NV			
GROSS BETA	6 PCI/L		UNV							8.09 PCI/L	3.34	NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	2 UG/L		UNV												
1,2-DICHLOROBENZENE	2 UG/L		UNV												
1,3-DICHLOROBENZENE	2 UG/L		UNV												
1,4-DICHLOROBENZENE	2 UG/L		UNV												
2,4,5-TRICHLOROPHENOL	2 UG/L		UNV												

SAMPLE NUMBER:	2394-02-R2			004204			004204			068492			068492		
LAB:	ENSR			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4,6-TRICHLOROPHENOL	2 UG/L		UNV												
2,4-DICHLOROPHENOL	2 UG/L		UNV												
2,4-DIMETHYLPHENOL	2 UG/L		UNV												
2,4-DINITROPHENOL	15 UG/L		UNV												
2,4-DINITROTOLUENE	1 UG/L		UNV												
2,6-DINITROTOLUENE	1 UG/L		UNV												
2-CHLORONAPHTHALENE	2 UG/L		UNV												
2-CHLOROPHENOL	2 UG/L		UNV												
2-METHYLNAPHTHALENE	2 UG/L		UNV												
2-METHYLPHENOL	1 UG/L		UNV												
2-NITROANILINE	1 UG/L		UNV												
2-NITROPHENOL	2 UG/L		UNV												
3-NITROANILINE	2 UG/L		UNV												
4,6-DINITRO-2-METHYLPHENOL	15 UG/L		UNV												
4-BROMOPHENYL PHENYL ETHER	2 UG/L		UNV												
4-CHLORO-3-METHYLPHENOL	2 UG/L		UNV												
4-CHLOROPHENYLPHENYL ETHER	1 UG/L		UNV												
4-METHYLPHENOL	1 UG/L		UNV												
4-NITROANILINE	3 UG/L		UNV												
4-NITROPHENOL	2 UG/L		UNV												
ACENAPHTHENE	2 UG/L		UNV												
ACENAPHTHYLENE	2 UG/L		UNV												
ANTHRACENE	2 UG/L		UNV												
BENZO(A)ANTHRACENE	2 UG/L		UNV												
BENZO(A)PYRENE	2 UG/L		UNV												
BENZO(B)FLUORANTHENE	2 UG/L		UNV												
BENZO(G,H,I)PERYLENE	4 UG/L		UNV												
BENZO(K)FLUORANTHENE	2 UG/L		UNV												
BENZOIC ACID	20 UG/L		UNV												
BENZYL ALCOHOL	2 UG/L		UNV												
BIS(2-CHLOROETHOXY)METHANE	2 UG/L		UNV												
BIS(2-CHLOROETHYL)ETHER	2 UG/L		UNV												
BIS(2-CHLOROISOPROPYL) ETHER	2 UG/L		UNV												
BIS(2-ETHYLHEXYL)PHTHALATE	5 UG/L		NV												
BUTYL BENZYL PHTHALATE	4 UG/L		UNV												
CHRYSENE	2 UG/L		UNV												
DI-N-BUTYL PHTHALATE	2 UG/L		UNV												
DI-N-OCTYL PHTHALATE	2 UG/L		UNV												
DIBENZO(A,H)ANTHRACENE	2 UG/L		UNV												
DIBENZOFURAN	1 UG/L		UNV												
DIETHYL PHTHALATE	1 UG/L		UNV												

SAMPLE NUMBER:	2394-02-R2			004204			004204			068492			068492		
LAB:	ENSR			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
DIMETHYL PHTHALATE	2 UG/L		UNV												
FLUORANTHENE	2 UG/L		UNV												
FLUORENE	1 UG/L		UNV												
HEXACHLOROBENZENE	2 UG/L		UNV												
HEXACHLOROBUTADIENE	2 UG/L		UNV												
HEXACHLOROCYCLOPENTADIENE	2 UG/L		UNV												
HEXACHLOROETHANE	2 UG/L		UNV												
INDENO(1,2,3-CD)PYRENE	4 UG/L		UNV												
ISOPHORONE	2 UG/L		UNV												
N-NITROSO-DI-N-PROPYLAMINE	2 UG/L		UNV												
N-NITROSODIPHENYLAMINE	2 UG/L		UNV												
NAPHTHALENE	2 UG/L		UNV												
NITROBENZENE	2 UG/L		UNV												
P-CHLOROANILINE	2 UG/L		UNV												
PENTACHLOROPHENOL	2 UG/L		UNV												
PHENANTHRENE	1 UG/L		UNV												
PHENOL	2 UG/L		UNV				.01 MG/L		-				.01 MG/L		U
PYRENE	2 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE	2 UG/L		UNV												
1,1,2,2-TETRACHLOROETHANE	2 UG/L		UNV												
1,1,2-TRICHLOROETHANE	2 UG/L		UNV												
1,1-DICHLOROETHANE	2 UG/L		UNV												
1,1-DICHLOROETHENE	2 UG/L		UNV												
1,2-DICHLOROETHANE	2 UG/L		UNV												
1,2-DICHLOROETHENE (TOTAL)	2 UG/L		UNV												
1,2-DICHLOROPROPANE	2 UG/L		UNV												
2-BUTANONE	5 UG/L		UNV												
2-HEXANONE	5 UG/L		UNV												
4-METHYL-2-PENTANONE	2 UG/L		UNV												
ACETONE	5 UG/L		UNV												
BENZENE	1 UG/L		NV												
BROMODICHLOROMETHANE	2 UG/L		UNV												
BROMOFORM	2 UG/L		UNV												
BROMOMETHANE	2 UG/L		UNV												
CARBON DISULFIDE	3 UG/L		UNV												
CARBON TETRACHLORIDE	2 UG/L		UNV												
CHLOROBENZENE	2 UG/L		UNV												
CHLOROETHANE	2 UG/L		UNV												
CHLOROFORM	2 UG/L		UNV												

SAMPLE NUMBER:	2394-02-R2			004204			004204			068492			068492		
LAB:	ENSR			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROMETHANE	2 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	2 UG/L		UNV												
DIBROMOCHLOROMETHANE	2 UG/L		UNV												
ETHYLBENZENE	2 UG/L		UNV												
METHYLENE CHLORIDE	.9 UG/L		NV												
STYRENE	1 UG/L		UNV												
TETRACHLOROETHENE	2 UG/L		UNV												
TOLUENE	2 UG/L		UNV												
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV												
TRICHLOROETHENE	2 UG/L		UNV												
VINYL ACETATE	5 UG/L		UNV												
VINYL CHLORIDE	2 UG/L		UNV												
XYLENES, TOTAL	5 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068493	004415	004415	068559	004322
TASK:	3.11	3.2.4	3.2.4	3.11	3.2.4
LAB:	WEMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	2395	2395	2395	2396	2396
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-DEC-91	25-FEB-92	25-FEB-92	06-FEB-92	08-AUG-90
NORTH COORDINATE:	471685.09	471685.09	471685.09	474169.75	474169.75
EAST COORDINATE:	1382128.31	1382128.31	1382128.31	1379213.52	1379213.52
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		UJ						
CHLORIDE							36.2 MG/L		J						
FLUORIDE							.14 MG/L		J						
NITRATE							.229 MG/L		J						
PHENOLS							.01 MG/L		UJ						
PHOSPHORUS							.07 MG/L		J						
SULFATE							126 MG/L		J						
SULFIDE							.5 MG/L		UJ						
TOTAL ORGANIC CARBON							1 MG/L		UJ						
TOTAL ORGANIC HALIDES							.01 MG/L		UJ						
TOTAL ORGANIC NITROGEN							.12 MG/L		J						
INORGANICS															
ALUMINUM				.123 MG/L		-							.069 MG/L		-
ARSENIC				.002 MG/L		U							.002 MG/L		U
BARIUM				.0515 MG/L		-							.055 MG/L		-
CADMIUM				.005 MG/L		-							.002 MG/L		U
CALCIUM				114 MG/L		-							76.2 MG/L		-
CHROMIUM				.0336 MG/L		-							.02 MG/L		-
COBALT				.01 MG/L		U									
COPPER				.01 MG/L		U							.01 MG/L		U
IRON				.184 MG/L		-							.026 MG/L		J
LEAD				.002 MG/L		U							.002 MG/L		UJ
MAGNESIUM				30.1 MG/L		-							19 MG/L		-
MANGANESE				.106 MG/L		-							.015 MG/L		-
MERCURY				.0002 MG/L		U							.0002 MG/L		U

SAMPLE NUMBER:	068493			004415			004415			068559			004322		
LAB:	WEMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM				.01 MG/L		U							.01 MG/L		U
NICKEL				.02 MG/L		U							.02 MG/L		U
POTASSIUM				2.93 MG/L		-							3.03 MG/L		-
SELENIUM				.003 MG/L		U							.002 MG/L		U
SILICON				4.68 MG/L		-							4.81 MG/L		-
SILVER				.0283 MG/L		J							.011 MG/L		-
SODIUM				13.6 MG/L		-							56 MG/L		-
VANADIUM				.0183 MG/L		-							.01 MG/L		U
RADIONUCLIDES															
URANIUM-238							1 PCI/L		UJ	7.36 PCI/L	1.26	-			
URANIUM, TOTAL	.9 UG/L		NV				1.15 UG/L	.12	J	22.6 UG/L	4	J			
URANIUM-234							1.41 PCI/L	.52	J	5.76 PCI/L	1.07	-			
THORIUM-230							2.85 PCI/L	1.36	J	2.13 PCI/L	.6	-			
RADIUM-226							1 PCI/L		U	1.01 PCI/L	.31	-			
URANIUM-235/236							1 PCI/L		UJ	1.51 PCI/L	.48	J			
THORIUM-232							1.6 PCI/L	.95	J	1 PCI/L		U			
THORIUM, TOTAL							14.4 UG/L	8.6	J	2.79 UG/L	1.96	-			
RADIUM-228							3 PCI/L		U	3 PCI/L		U			
THORIUM-228							1.72 PCI/L	.99	J	1.88 PCI/L	.61	J			
NEPTUNIUM-237							1 PCI/L		UJ						
PLUTONIUM-239/240							1 PCI/L		U	1 PCI/L		U			
PLUTONIUM-238							1 PCI/L		U	1 PCI/L		U			
STRONTIUM-90							5 PCI/L		U	5 PCI/L		U			
TECHNETIUM-99							30 PCI/L		U	30 PCI/L		U			
RUTHENIUM-106							150 PCI/L		R	150 PCI/L		UJ			
CESIUM-137							20 PCI/L		R	20 PCI/L		UJ			
GROSS ALPHA							6.3 PCI/L		UNV	3.5 PCI/L		UNV			
GROSS BETA							4 PCI/L		UNV	3.89 PCI/L	2.45	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004322			068302			068303			068446			068446		
TASK:	3.2.4			3.11			3.11			3.11			3.11		
LAB:	IT			IT			WEMCO			IT			IT		
WELL OR BORING NUMBER:	2396			2396			2396			2396			2396		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	08-AUG-90			09-OCT-91			09-OCT-91			10-DEC-91			10-DEC-91		
NORTH COORDINATE:	474169.75			474169.75			474169.75			474169.75			474169.75		
EAST COORDINATE:	1379213.52			1379213.52			1379213.52			1379213.52			1379213.52		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U										.1 MG/L		U
CHLORIDE	11.8 MG/L		-										23.7 MG/L		-
FLUORIDE	.17 MG/L		-										.161 MG/L		-
NITRATE	3 MG/L		J										2.42 MG/L		-
PHENOLS	.01 MG/L		U										.01 MG/L		U
PHOSPHORUS	1.52 MG/L		-										.05 MG/L		-
SULFATE	72.4 MG/L		-										70.2 MG/L		-
SULFIDE	.5 MG/L		U										.5 MG/L		U
TOTAL ORGANIC CARBON	2.5 MG/L		-										1 MG/L		U
TOTAL ORGANIC HALIDES	.01 MG/L		UJ										.01 MG/L		UJ
TOTAL ORGANIC NITROGEN	.633 MG/L		-										.1 MG/L		U
INORGANICS															
ALUMINUM										.0742 MG/L		-			
ARSENIC										.002 MG/L		U			
BARIUM										.0596 MG/L		-			
CADMIUM										.0039 MG/L		-			
CALCIUM										93.5 MG/L		-			
CHROMIUM										.0222 MG/L		-			
COPPER										.0102 MG/L		-			
IRON										.0231 MG/L		J			
LEAD										.002 MG/L		UJ			
MAGNESIUM										27.4 MG/L		-			
MANGANESE										.0039 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			

SAMPLE NUMBER:	004322			068302			068303			068446			068446		
LAB:	IT			IT			WEMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL										.02 MG/L		U			
POTASSIUM										2.68 MG/L		-			
SELENIUM										.002 MG/L		U			
SILICON										5.06 MG/L		-			
SILVER										.0203 MG/L		-			
SODIUM										18.6 MG/L		-			
VANADIUM										.01 MG/L		U			
RADIONUCLIDES															
URANIUM-238	1.29 PCI/L	.34	-	1 PCI/L		UNV				1 PCI/L		U			
URANIUM, TOTAL	3.97 UG/L	1.08	-	1.13 UG/L	.12	NV	1.3 UG/L		NV	1.21 UG/L	.13	-			
URANIUM-234	1.66 PCI/L	.39	-	1 PCI/L		UNV				1.4 PCI/L		U			
THORIUM-230	1 PCI/L		U	1.31 PCI/L	.68	NV				1 PCI/L		U			
RADIUM-226	1 PCI/L		U	1 PCI/L		UNV				1 PCI/L		U			
URANIUM-235/236	1 PCI/L		U	1 PCI/L		UNV				1 PCI/L		U			
THORIUM-232	1 PCI/L		U	1 PCI/L		UNV				1 PCI/L		U			
THORIUM, TOTAL	1.8 UG/L		U	5 UG/L		UNV				4 UG/L		U			
RADIUM-228	3 PCI/L		U	3 PCI/L		UNV				4 PCI/L		R			
THORIUM-228	1 PCI/L		U	1 PCI/L		UNV				1 PCI/L		U			
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		U	1 PCI/L		UNV				1 PCI/L		U			
PLUTONIUM-238	1 PCI/L		U	1 PCI/L		UNV				1 PCI/L		U			
STRONTIUM-90	5 PCI/L		U	5 PCI/L		UNV				5 PCI/L		U			
TECHNETIUM-99	30 PCI/L		U	30 PCI/L		UNV				30 PCI/L		UJ			
RUTHENIUM-106	150 PCI/L		R	150 PCI/L		UNV				150 PCI/L		R			
CESIUM-137	20 PCI/L		R	20 PCI/L		UNV				20 PCI/L		R			
GROSS ALPHA										3.1 PCI/L		UNV			
GROSS BETA										4 PCI/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068402	068403	068404	EMGW_SYSGEN_823	068519
TASK:	3.11	3.11	3.11	GWMON	3.11
LAB:	IT	WEMCO	IT	WMCO	IT/RSL
WELL OR BORING NUMBER:	2396	2396	2396	2396	2396
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-NOV-91	11-NOV-91	11-NOV-91	13-AUG-91	13-JAN-92
NORTH COORDINATE:	474169.75	474169.75	474169.75	474169.75	474169.75
EAST COORDINATE:	1379213.52	1379213.52	1379213.52	1379213.52	1379213.52
QA TYPE:	NORMAL	NORMAL	DUPLICATE	NORMAL	NORMAL
QC OF:			068402		
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM, TOTAL	1.1 UG/L	.12	-	2 UG/L		NV	1.11 UG/L	.12	-	.9 UG/L		NV	1.12 UG/L	.12	-
URANIUM-234	1.73 PCI/L	.58	-				1 PCI/L		U				1 PCI/L		U
THORIUM-230	1 PCI/L		U				1 PCI/L		U				1.13 PCI/L	.72	J
RADIUM-226	1 PCI/L		UJ				1 PCI/L		UJ				1 PCI/L		U
URANIUM-235/236	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM-232	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL	4.4 UG/L		U				4.2 UG/L		U				6.5 UG/L		U
RADIUM-228	3.5 PCI/L		UJ				3 PCI/L		UJ				3 PCI/L		UJ
THORIUM-228	1 PCI/L		U				1 PCI/L		U				5.92 PCI/L	1.76	J
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U				1 PCI/L		R
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		R
STRONTIUM-90	5 PCI/L		UJ				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	30 PCI/L		UJ				30 PCI/L		UJ				30 PCI/L		U
RUTHENIUM-106	150 PCI/L		U				150 PCI/L		U				150 PCI/L		R
CESIUM-137	20 PCI/L		U				20 PCI/L		U				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068520			GW930514-10			GW930514-10			GW930514-10			GW930514-10		
TASK:	3.11			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	IT/RSL			CORE			CORE			FERMCO			FERMCO		
WELL OR BORING NUMBER:	2396			2396			2396			2396			2396		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-JAN-92			14-MAY-93			14-MAY-93			14-MAY-93			14-MAY-93		
NORTH COORDINATE:	474169.75			474169.75			474169.75			474169.75			474169.75		
EAST COORDINATE:	1379213.52			1379213.52			1379213.52			1379213.52			1379213.52		
QA TYPE:	DUPLICATE			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:	068519														
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U	.7 PCI/L	.4	J	.4 PCI/L	.2	-						
URANIUM, TOTAL	1.27 UG/L	.14	-	1.4 UG/L	.1	J	1.4 UG/L	.1	-	1.3 UG/L		NV	1.3 UG/L		NV
URANIUM-234	1.62 PCI/L	.57	-	.8 PCI/L	.4	J	.6 PCI/L	.3	-						
THORIUM-230	1.31 PCI/L	.79	J	.2 PCI/L	.3	UJ	.5 PCI/L	.2	U						
RADIUM-226	1 PCI/L		U	1 PCI/L	.3	U	1 PCI/L	.4	UJ						
URANIUM-235/236	1 PCI/L		U	.2 PCI/L	.1	UJ	.2 PCI/L	.2	U						
THORIUM-232	1 PCI/L		U	.3 PCI/L	.2	UJ	.6 PCI/L	.2	U						
THORIUM, TOTAL	4.5 UG/L		U												
RADIUM-228	3 PCI/L		UJ	3 PCI/L	1.3	U	3 PCI/L	1.2	U						
THORIUM-228	4.79 PCI/L	1.31	J	.3 PCI/L	.5	UJ	.4 PCI/L	.1	U						
NEPTUNIUM-237	1 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		U												
PLUTONIUM-238	1 PCI/L		U												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA				2.8 PCI/L	1.8	UNV	7.5 PCI/L	2.6	NV						
GROSS BETA				7.5 PCI/L	1.6	NV	3.6 PCI/L	2.2	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930514-10	GW930514-10	GW930514-8	GW930514-8	GW930514-8
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	NET	NET	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	2396	2396	2396	2396	2396
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-MAY-93	14-MAY-93	14-MAY-93	14-MAY-93	14-MAY-93
NORTH COORDINATE:	474169.75	474169.75	474169.75	474169.75	474169.75
EAST COORDINATE:	1379213.52	1379213.52	1379213.52	1379213.52	1379213.52
QA TYPE:	NORMAL	NORMAL	DUPLICATE	DUPLICATE	DUPLICATE
QC OF:			GW930514-10	GW930514-10	GW930514-10
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				304 MG/L		-									
AMMONIA				.09 MG/L		U									
BICARBONATE ALKALINITY				403 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				48 MG/L		-									
FLUORIDE				.15 MG/L		-									
NITRATE				2.88 MG/L		-									
PH				7.35 SU		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.306 MG/L		U									
SPECIFIC CONDUCTIVITY				815 UMHOS/CM		-									
SULFATE				99 MG/L		J									
TOTAL DISSOLVED SOLIDS	508 MG/L		-												
TOTAL KJELDAHL NITROGEN				.1 MG/L		U									
TOTAL ORGANIC CARBON				1 MG/L		U									
TOTAL ORGANIC HALOGENS				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.1 MG/L		U									
TOTAL SOLIDS				522 MG/L		-									
INORGANICS															
ALUMINUM	.0286 MG/L		U	.02 MG/L		U									
ANTIMONY	.045 MG/L		UJ	.045 MG/L		U									
ARSENIC	.002 MG/L		U	.002 MG/L		UJ									
BARIUM	.0647 MG/L		-	.0633 MG/L		-									
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									
CADMIUM	.003 MG/L		U	.003 MG/L		U									

SAMPLE NUMBER:	GW930514-10			GW930514-10			GW930514-8			GW930514-8			GW930514-8		
LAB:	NET			NET			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	98.4 MG/L		-	104 MG/L		-									
CHROMIUM	.005 MG/L		U	.0205 MG/L		J									
COBALT	.008 MG/L		U	.008 MG/L		U									
COPPER	.006 MG/L		U	.0044 MG/L		-									
CYANIDE	.01 MG/L		UJ	.01 MG/L		UJ									
IRON	.0257 MG/L		U	.307 MG/L		-									
LEAD	.001 MG/L		U	.0012 MG/L		U									
MAGNESIUM	32.1 MG/L		-	32.1 MG/L		-									
MANGANESE	.001 MG/L		U	.0033 MG/L		-									
MERCURY	.0002 MG/L		U	.0002 MG/L		U									
NICKEL	.02 MG/L		U	.02 MG/L		U									
POTASSIUM	2.04 MG/L		-	2.42 MG/L		-									
SELENIUM	.0018 MG/L		UJ	.0021 MG/L		-									
SILVER	.007 MG/L		U	.007 MG/L		U									
SODIUM	25.7 MG/L		-	24.2 MG/L		-									
THALLIUM	.002 MG/L		U	.002 MG/L		U									
VANADIUM	.003 MG/L		U	.003 MG/L		U									
ZINC	.0143 MG/L		U	.005 MG/L		U									
RADIONUCLIDES															
URANIUM-238							.5 PCI/L	.4	J	.9 PCI/L	.3	-			
URANIUM, TOTAL							1.8 UG/L	.1	J	1.6 UG/L	.1	-	1.4 UG/L		NV
URANIUM-234							.6 PCI/L	.3	J	.8 PCI/L	.3	-			
THORIUM-230							.3 PCI/L	.3	UJ	.4 PCI/L	.1	U			
RADIUM-226							1 PCI/L	.4	U	1 PCI/L	.3	UJ			
URANIUM-235/236							.2 PCI/L	.1	UJ	.2 PCI/L	.2	U			
THORIUM-232							.4 PCI/L	.2	UJ	.5 PCI/L	.1	U			
RADIUM-228							3 PCI/L	1.4	U	3 PCI/L	1.2	U			
THORIUM-228							.3 PCI/L	.5	UJ	.3 PCI/L	.1	U			
GROSS ALPHA							3.7 PCI/L	2.1	UNV	2.9 PCI/L	1.9	UNV			
GROSS BETA							5.4 PCI/L	1.7	NV	9.4 PCI/L	2.2	NV			
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									

SAMPLE NUMBER:	GW930514-10			GW930514-10			GW930514-8			GW930514-8			GW930514-8		
LAB:	NET			NET			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		UJ									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930514-8	GW930514-8	GW930514-8	068017	068018
TASK:	50.03.23	50.03.23	50.03.23	3.11	3.11
LAB:	FERMCO	NET	NET	IT	WEMCO
WELL OR BORING NUMBER:	2396	2396	2396	2396	2396
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-MAY-93	14-MAY-93	14-MAY-93	15-MAY-91	15-MAY-91
NORTH COORDINATE:	474169.75	474169.75	474169.75	474169.75	474169.75
EAST COORDINATE:	1379213.52	1379213.52	1379213.52	1379213.52	1379213.52
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL	NORMAL
QC OF:	GW930514-10	GW930514-10	GW930514-10		
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							290 MG/L		-						
AMMONIA							.04 MG/L		U						
BICARBONATE ALKALINITY							384 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE							47 MG/L		-						
FLUORIDE							.15 MG/L		-						
NITRITE, AS NITROGEN							2.76 MG/L		-						
PH							7.61 SU		-						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.306 MG/L		U						
SPECIFIC CONDUCTIVITY							820 UMHOS/CM		-						
SULFATE							97 MG/L		J						
TOTAL DISSOLVED SOLIDS				507 MG/L		-									
TOTAL KJELDAHL NITROGEN							.1 MG/L		U						
TOTAL ORGANIC CARBON							1 MG/L		U						
TOTAL ORGANIC HALOGENS							.01 MG/L		U						
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
TOTAL SOLIDS							514 MG/L		-						
INORGANICS															
ALUMINUM				.0321 MG/L		U	.02 MG/L		U						
ANTIMONY				.045 MG/L		UJ	.045 MG/L		U						
ARSENIC				.002 MG/L		U	.002 MG/L		U						
BARIUM				.0638 MG/L		-	.0623 MG/L		-						
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						
CADMIUM				.003 MG/L		U	.003 MG/L		U						

JJ21183

SAMPLE NUMBER:	GW930514-8			GW930514-8			GW930514-8			068017			068018		
LAB:	FERMCO			NET			NET			IT			WEMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				98.2 MG/L		-	102 MG/L		-						
CHROMIUM				.005 MG/L		U	.0189 MG/L		J						
COBALT				.008 MG/L		U	.008 MG/L		U						
COPPER				.0039 MG/L		U	.0042 MG/L		-						
CYANIDE				.01 MG/L		UJ	.01 MG/L		UJ						
IRON				.0232 MG/L		U	.282 MG/L		-						
LEAD				.001 MG/L		U	.001 MG/L		U						
MAGNESIUM				32 MG/L		-	31.6 MG/L		-						
MANGANESE				.001 MG/L		U	.0029 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.02 MG/L		U	.02 MG/L		U						
POTASSIUM				1.55 MG/L		U	2.41 MG/L		-						
SELENIUM				.0016 MG/L		U	.0018 MG/L		-						
SILVER				.007 MG/L		U	.007 MG/L		U						
SODIUM				25.8 MG/L		-	23.9 MG/L		-						
THALLIUM				.002 MG/L		U	.002 MG/L		U						
VANADIUM				.003 MG/L		U	.003 MG/L		U						
ZINC				.005 MG/L		U	.005 MG/L		U						
RADIONUCLIDES															
URANIUM-238										1 PCI/L		U			
URANIUM, TOTAL	1.3 UG/L		NV							1.29 UG/L	.14	-	1.3 UG/L		NV
URANIUM-234										1 PCI/L		U			
THORIUM-230										1 PCI/L		U			
RADIUM-226										1 PCI/L		U			
URANIUM-235/236										1 PCI/L		U			
THORIUM-232										1 PCI/L		U			
THORIUM, TOTAL										3.3 UG/L		U			
RADIUM-228										3 PCI/L		UJ			
THORIUM-228										1 PCI/L		U			
NEPTUNIUM-237										1 PCI/L		U			
PLUTONIUM-239/240										1 PCI/L		U			
PLUTONIUM-238										1 PCI/L		U			
STRONTIUM-90										5 PCI/L		U			
TECHNETIUM-99										30 PCI/L		UJ			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						

SAMPLE NUMBER:	GW930514-8			GW930514-8			GW930514-8			068017			068018		
LAB:	FERMCO			NET			NET			IT			WEMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		UJ						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004365			004365			068093			067964			067964		
TASK:	3.2.4			3.2.4			3.11			3.11			3.11		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2396			2396			2396			2396			2396		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-JAN-91			16-JAN-91			18-JUN-91			18-MAR-91			18-MAR-91		
NORTH COORDINATE:	474169.75			474169.75			474169.75			474169.75			474169.75		
EAST COORDINATE:	1379213.52			1379213.52			1379213.52			1379213.52			1379213.52		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U	.1 MG/L		U				.1 MG/L		U
CHLORIDE				53.53 MG/L		-	36.3 MG/L		-				44.21 MG/L		-
FLUORIDE				.18 MG/L		-	.36 MG/L		-				.11 MG/L		-
NITRATE				5.59 MG/L		R	549 MG/L		R				3.05 MG/L		J
PHENOLS				.01 MG/L		U	.01 MG/L		UJ				.01 MG/L		-
PHOSPHORUS				.72 MG/L		-	.39 MG/L		-				.31 MG/L		-
SULFATE				94.64 MG/L		-	64.7 MG/L		R				73.85 MG/L		-
SULFIDE				.5 MG/L		U	.5 MG/L		U				.5 MG/L		U
TOTAL ORGANIC CARBON				2.44 MG/L		-	2.46 MG/L		-				1.54 MG/L		-
TOTAL ORGANIC HALIDES				.01 MG/L		U	.01 MG/L		UJ				.01 MG/L		UJ
TOTAL ORGANIC NITROGEN				.1 MG/L		UJ	.128 MG/L		J				.43 MG/L		J
INORGANICS															
ALUMINUM	.067 MG/L		J				.062 MG/L		-	.065 MG/L		-			
ARSENIC	.002 MG/L		UJ				.002 MG/L		-	.002 MG/L		U			
BARIUM	.064 MG/L		J				.063 MG/L		R	.06 MG/L		-			
CADMIUM	.004 MG/L		J				.003 MG/L		-	.004 MG/L		-			
CALCIUM	87.08 MG/L		J				8.52 MG/L		-	89.32 MG/L		-			
CHROMIUM	.027 MG/L		J				.022 MG/L		-	.019 MG/L		-			
COPPER	.01 MG/L		UJ				.01 MG/L		-	.01 MG/L		U			
IRON	.042 MG/L		J				.022 MG/L		-	.023 MG/L		-			
LEAD	.002 MG/L		UJ				.002 MG/L		-	.002 MG/L		U			
MAGNESIUM	23.7 MG/L		J				22.7 MG/L		-	24.39 MG/L		-			
MANGANESE	.008 MG/L		J				.003 MG/L		-	.004 MG/L		-			
MERCURY	.0002 MG/L		UJ				.0002 MG/L		-	.0002 MG/L		U			
MOLYBDENUM	.01 MG/L		UJ				.01 MG/L		-	.01 MG/L		U			

SAMPLE NUMBER:	004365			004365			068093			067964			067964		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.02 MG/L		UJ				.02 MG/L		-	.02 MG/L		U			
POTASSIUM	3.57 MG/L		J				3.09 MG/L		-	3.33 MG/L		-			
SELENIUM	.002 MG/L		UJ				.002 MG/L		UJ	.002 MG/L		UJ			
SILICON	4.964 MG/L		J				4.9 MG/L		-	4.965 MG/L		-			
SILVER	.019 MG/L		J				.018 MG/L		-	.02 MG/L		-			
SODIUM	63.12 MG/L		J				62.3 MG/L		-	44.14 MG/L		-			
VANADIUM	.01 MG/L		UJ				.01 MG/L		-	.01 MG/L		U			
RADIONUCLIDES															
URANIUM-238				1 PCI/L		UJ	1 PCI/L		UNV	1 PCI/L		UJ			
URANIUM, TOTAL				1.22 UG/L	.13	-	1.53 UG/L	.17	UNV	1.31 UG/L	.14	-			
URANIUM-234				1 PCI/L		UJ	1 PCI/L		UNV	1 PCI/L		UJ			
THORIUM-230				1 PCI/L		UJ	1.24 PCI/L	.84	UNV	1 PCI/L		U			
RADIUM-226				1 PCI/L		U	1 PCI/L		UNV	1 PCI/L		UJ			
URANIUM-235/236				1 PCI/L		UJ	1 PCI/L		UNV	1 PCI/L		UJ			
THORIUM-232				1 PCI/L		UJ	1 PCI/L		UNV	1 PCI/L		U			
THORIUM, TOTAL				1.7 UG/L		UJ	7.8 UG/L		UNV	2 UG/L		U			
RADIUM-228				3 PCI/L		R	3 PCI/L		UNV	4.19 PCI/L	2.41	J			
THORIUM-228				1 PCI/L		UJ	1.4 PCI/L		UNV	2.25 PCI/L	.5	J			
NEPTUNIUM-237				1 PCI/L		UJ				1 PCI/L		U			
PLUTONIUM-239/240				1 PCI/L		UJ	1 PCI/L		UNV	1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		UJ	1 PCI/L		UNV	1 PCI/L		U			
STRONTIUM-90				5 PCI/L		UJ	5 PCI/L		UNV	5 PCI/L		UJ			
TECHNETIUM-99				30 PCI/L		U	30 PCI/L		UNV	30 PCI/L		R			
RUTHENIUM-106				150 PCI/L		UJ	150 PCI/L		UNV	150 PCI/L		R			
CESIUM-137				20 PCI/L		UJ	20 PCI/L		UNV	20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068257	068258	068259	068218	GW930512-3
TASK:	3.2.4	3.11	3.11	3.11	50.03.23
LAB:	IT	WEMCO	IT	WMCO	CORE
WELL OR BORING NUMBER:	2396	2396	2396	2396	2397
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-SEP-91	25-SEP-91	25-SEP-91	29-AUG-91	12-MAY-93
NORTH COORDINATE:	474169.75	474169.75	474169.75	474169.75	478270.65
EAST COORDINATE:	1379213.52	1379213.52	1379213.52	1379213.52	1380995.05
QA TYPE:	NORMAL	NORMAL	DUPLICATE	NORMAL	NORMAL
QC OF:	068259		068257		
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UNV				.1 MG/L		UNV						
CHLORIDE	23 MG/L		NV				25 MG/L		NV						
FLUORIDE	.2 MG/L		NV				.1 MG/L		NV						
NITRATE	4 MG/L		NV				3.8 MG/L		NV						
PHENOLS	.01 MG/L		UNV				.01 MG/L		UNV						
PHOSPHORUS	.01 MG/L		UNV				.01 MG/L		UNV						
SULFATE	86 MG/L		NV				93 MG/L		NV						
SULFIDE	8.4 MG/L		NV				5.6 MG/L		NV						
TOTAL ORGANIC CARBON	1 MG/L		UNV				1 MG/L		UNV						
TOTAL ORGANIC NITROGEN	.1 MG/L		UNV				.1 MG/L		UNV						
INORGANICS															
ALUMINUM	.04 MG/L		UNV				.04 MG/L		UNV						
ANTIMONY	.03 MG/L		UNV				.03 MG/L		UNV						
ARSENIC	.002 MG/L		UNV				.002 MG/L		UNV						
BARIUM	.06 MG/L		NV				.0595 MG/L		NV						
BERYLLIUM	.001 MG/L		UNV				.001 MG/L		UNV						
CADMIUM	.005 MG/L		UNV				.005 MG/L		UNV						
CALCIUM	88.2 MG/L		NV				85.6 MG/L		NV						
CHROMIUM	.01 MG/L		UNV				.01 MG/L		UNV						
COBALT	.02 MG/L		UNV				.02 MG/L		UNV						
COPPER	.01 MG/L		UNV				.01 MG/L		UNV						
IRON	.01 MG/L		UNV				.0226 MG/L		NV						
LEAD	.002 MG/L		UNV				.002 MG/L		UNV						
MAGNESIUM	23.7 MG/L		NV				23 MG/L		NV						
MANGANESE	.002 MG/L		UNV				.002 MG/L		UNV						

SAMPLE NUMBER:	068257			068258			068259			068218			GW930512-3		
LAB:	IT			WEMCO			IT			WMCO			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MERCURY	.0002 MG/L		UNV				.0002 MG/L		UNV						
MOLYBDENUM	.01 MG/L		UNV				.01 MG/L		UNV						
NICKEL	.02 MG/L		UNV				.02 MG/L		UNV						
POTASSIUM	2.28 MG/L		NV				2.08 MG/L		NV						
SELENIUM	.002 MG/L		UNV				.002 MG/L		UNV						
SILICON	4.7 MG/L		NV				4.66 MG/L		NV						
SILVER	.002 MG/L		UNV				.005 MG/L		UNV						
SODIUM	36.4 MG/L		NV				35.3 MG/L		NV						
THALLIUM	.002 MG/L		UNV				.002 MG/L		UNV						
VANADIUM	.01 MG/L		UNV				.01 MG/L		UNV						
ZINC	.0154 MG/L		NV				.0167 MG/L		NV						
RADIONUCLIDES															
URANIUM-238	1.22 PCI/L	.32	NV				1 PCI/L		UNV				84.8 PCI/L	22	-
URANIUM, TOTAL	2.08 UG/L	.22	NV	1.1 UG/L		NV	1.79 UG/L	.19	NV	1.2 UG/L		NV	300 UG/L	21	-
URANIUM-234	1.37 PCI/L	.37	NV				1.45 PCI/L	.36	NV				84.4 PCI/L	21.9	-
THORIUM-230	1.1 PCI/L		UNV										.3 PCI/L	.1	UJ
RADIUM-226	1 PCI/L		UNV				1 PCI/L		UNV				1 PCI/L	.2	UJ
URANIUM-235/236	1 PCI/L		UNV				1 PCI/L		UNV				8 PCI/L	2.8	-
THORIUM-232	1 PCI/L		UNV										.3 PCI/L	.1	UJ
THORIUM, TOTAL	6.1 UG/L		UNV												
RADIUM-228	3 PCI/L		UNV				3 PCI/L		UNV				3 PCI/L	1.2	U
THORIUM-228	1 PCI/L		UNV										.3 PCI/L	.1	UJ
NEPTUNIUM-237	1 PCI/L		UNV				1 PCI/L		UNV						
PLUTONIUM-239/240	1 PCI/L		UNV				1 PCI/L		UNV						
PLUTONIUM-238	1 PCI/L		UNV				1 PCI/L		UNV						
STRONTIUM-90	5 PCI/L		UNV				5 PCI/L		UNV						
TECHNETIUM-99	30 PCI/L		UNV				30 PCI/L		UNV				24.1 PCI/L	9.1	J
RUTHENIUM-106	150 PCI/L		UNV				150 PCI/L		UNV						
CESIUM-137	20 PCI/L		UNV				20 PCI/L		UNV						
GROSS ALPHA													170 PCI/L	10.6	NV
GROSS BETA													55.6 PCI/L	4.3	NV

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930512-3	GW930512-3	GW930512-3	GW930512-3	GW930512-3
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	FERMCO	FERMCO	LOCKHEED	LOCKHEED
WELL OR BORING NUMBER:	2397	2397	2397	2397	2397
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-MAY-93	12-MAY-93	12-MAY-93	12-MAY-93	12-MAY-93
NORTH COORDINATE:	478270.65	478270.65	478270.65	478270.65	478270.65
EAST COORDINATE:	1380995.05	1380995.05	1380995.05	1380995.05	1380995.05
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													310 MG/L		-
AMMONIA													.05 MG/L		U
BICARBONATE ALKALINITY													310 MG/L		-
CARBONATE ALKALINITY													30 MG/L		U
CHLORIDE													15 MG/L		-
FLUORIDE													.7 MG/L		-
NITRATE/NITRITE													.064 MG/L		-
PH													7.2 SU		-
PHENOLS													.15 MG/L		U
PHOSPHORUS													.03 MG/L		U
SPECIFIC CONDUCTIVITY													920 UMHOS/CM		-
SULFATE													160 MG/L		-
TOTAL DISSOLVED SOLIDS										560 MG/L		-			
TOTAL ORGANIC CARBON													1.3 MG/L		-
TOTAL ORGANIC HALIDES													.045 MG/L		U
TOTAL ORGANIC NITROGEN													0 MG/L		U
TOTAL SOLIDS													560 MG/L		-
INORGANICS															
ALUMINUM										.024 MG/L		U	.259 MG/L		-
ANTIMONY										.027 MG/L		U	.027 MG/L		U
ARSENIC										.002 MG/L		U	.002 MG/L		U
BARIUM										.0406 MG/L		-	.047 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.0023 MG/L		UJ	.002 MG/L		U
CALCIUM										125 MG/L		-	133 MG/L		-

SAMPLE NUMBER:	GW930512-3			GW930512-3			GW930512-3			GW930512-3			GW930512-3		
LAB:	CORE			FERMCO			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM										.004 MG/L		U	.004 MG/L		U
COBALT										.005 MG/L		U	.005 MG/L		U
COPPER										.003 MG/L		U	.0035 MG/L		U
CYANIDE										.02 MG/L		UJ	.02 MG/L		UJ
IRON										1.38 MG/L		-	2.91 MG/L		-
LEAD										.002 MG/L		U	.002 MG/L		U
MAGNESIUM										38.5 MG/L		-	41 MG/L		-
MANGANESE										.256 MG/L		-	.324 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM										.011 MG/L		U	.011 MG/L		U
NICKEL										.011 MG/L		U	.011 MG/L		U
POTASSIUM										2.11 MG/L		-	1.95 MG/L		-
SELENIUM										.001 MG/L		UJ	.001 MG/L		UJ
SILVER										.004 MG/L		U	.004 MG/L		U
SODIUM										10.4 MG/L		-	11.4 MG/L		-
THALLIUM										.003 MG/L		U	.003 MG/L		U
VANADIUM										.004 MG/L		U	.004 MG/L		U
ZINC										.003 MG/L		U	.0105 MG/L		U
RADIONUCLIDES															
URANIUM-238	95.1 PCI/L	15.7	J												
URANIUM, TOTAL	318 UG/L	22.2	-	260 UG/L		NV	290 UG/L		NV						
URANIUM-234	97.3 PCI/L	16.4	J												
THORIUM-230	.4 PCI/L	.1	UJ												
RADIUM-226	1 PCI/L	.2	U												
URANIUM-235/236	5.3 PCI/L	1.4	J												
THORIUM-232	.4 PCI/L	.1	UJ												
RADIUM-228	3 PCI/L	.6	U												
THORIUM-228	.3 PCI/L	.2	J												
TECHNETIUM-99	24.1 PCI/L	9.1	J												
GROSS ALPHA	153 PCI/L	9.4	NV												
GROSS BETA	49.1 PCI/L	4.2	NV												
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		UJ
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U

SAMPLE NUMBER:	GW930512-3			GW930512-3			GW930512-3			GW930512-3			GW930512-3		
LAB:	CORE			FERMCO			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		UJ
4-METHYL-2-PENTANONE													10 UG/L		UJ
ACETONE													10 UG/L		UJ
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004366			004366			004367			004367			004331		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2397			2397			2397			2397			2397		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	20-JAN-91			20-JAN-91			20-JAN-91			20-JAN-91			23-AUG-90		
NORTH COORDINATE:	478270.65			478270.65			478270.65			478270.65			478270.65		
EAST COORDINATE:	1380995.05			1380995.05			1380995.05			1380995.05			1380995.05		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U				.1 MG/L		U			
CHLORIDE				18.97 MG/L		-				18.37 MG/L		-			
FLUORIDE				.67 MG/L		-				.7 MG/L		-			
NITRATE				.32 MG/L		R				.18 MG/L		R			
PHENOLS				.01 MG/L		U				.01 MG/L		U			
PHOSPHORUS				.02 MG/L		U				.04 MG/L		-			
SULFATE				231.99 MG/L		-				228.73 MG/L		-			
SULFIDE				.5 MG/L		U				.5 MG/L		U			
TOTAL ORGANIC CARBON				2.37 MG/L		-				2.04 MG/L		-			
TOTAL ORGANIC HALIDES				.01 MG/L		U				.01 MG/L		U			
TOTAL ORGANIC NITROGEN				.37 MG/L		-				.1 MG/L		U			
INORGANICS															
ALUMINUM	.083 MG/L		-				.091 MG/L		-				.06 MG/L		U
ARSENIC	.002 MG/L		UJ				.002 MG/L		UJ				.002 MG/L		U
BARIUM	.054 MG/L		-				.054 MG/L		-				.05 MG/L		-
CADMIUM	.007 MG/L		-				.008 MG/L		-				.004 MG/L		-
CALCIUM	130 MG/L		-				133 MG/L		-				121 MG/L		-
CHROMIUM	.023 MG/L		-				.025 MG/L		-				.022 MG/L		-
COPPER	.011 MG/L		-				.012 MG/L		-				.01 MG/L		U
IRON	1.2 MG/L		-				1.17 MG/L		-				.967 MG/L		-
LEAD	.002 MG/L		UJ				.002 MG/L		UJ				.004 MG/L		U
MAGNESIUM	39.9 MG/L		-				40.6 MG/L		-				36.2 MG/L		-
MANGANESE	.271 MG/L		-				.275 MG/L		-				.22 MG/L		-
MERCURY	.0002 MG/L		U				.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM	.01 MG/L		U				.01 MG/L		U				.01 MG/L		U

SAMPLE NUMBER:	004366			004366			004367			004367			004331		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL	.02 MG/L		U				.02 MG/L		-				.024 MG/L		-
POTASSIUM	2.56 MG/L		-				2.79 MG/L		-				2.67 MG/L		-
SELENIUM	.002 MG/L		UJ				.002 MG/L		UJ				.002 MG/L		U
SILICON	3.71 MG/L		-				3.79 MG/L		-				3.46 MG/L		-
SILVER	.025 MG/L		-				.025 MG/L		-				.015 MG/L		-
SODIUM	22.3 MG/L		-				22.3 MG/L		-				25.9 MG/L		-
VANADIUM	.011 MG/L		-				.012 MG/L		-				.01 MG/L		U
RADIONUCLIDES															
URANIUM-238				91.7 PCI/L	11.6	J				93.2 PCI/L	12.2	J			
URANIUM, TOTAL				256 UG/L	39	J				258 UG/L	35	J			
URANIUM-234				87.7 PCI/L	11.1	J				91 PCI/L	11.9	J			
THORIUM-230				1 PCI/L		UJ				1 PCI/L		UJ			
RADIUM-226				1 PCI/L		UJ				1 PCI/L		UJ			
URANIUM-235/236				8.62 PCI/L	1.58	J				8.9 PCI/L	1.72	J			
THORIUM-232				1 PCI/L		UJ				1 PCI/L		UJ			
THORIUM, TOTAL				1.8 UG/L		UJ				1.5 UG/L		UJ			
RADIUM-228				3 PCI/L		R				3 PCI/L		R			
THORIUM-228				1 PCI/L		UJ				1 PCI/L		UJ			
NEPTUNIUM-237				1 PCI/L		UJ				1 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		UJ				1 PCI/L		UJ			
PLUTONIUM-238				1 PCI/L		UJ				1 PCI/L		UJ			
STRONTIUM-90				5 PCI/L		UJ				5 PCI/L		UJ			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		UJ			
CESIUM-137				20 PCI/L		R				20 PCI/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004331	004331	038362	038362	038362
TASK:	3.2.4	3.2.4	50.03.08	50.03.08	50.03.08
LAB:	IT	IT/RSL	IT	IT	IT
WELL OR BORING NUMBER:	2397	2397	2398	2398	2398
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-AUG-90	23-AUG-90	11-FEB-91	11-FEB-91	11-FEB-91
NORTH COORDINATE:	478270.65	478270.65	476590.05	476590.05	476590.05
EAST COORDINATE:	1380995.05	1380995.05	1381346.22	1381346.22	1381346.22
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	F-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U										.1 MG/L		U
CHLORIDE	24.8 MG/L		-										23.4 MG/L		-
FLUORIDE	.56 MG/L		-										.14 MG/L		-
NITRATE	.11 MG/L		J										1.52 MG/L		J
PHENOLS	.01 MG/L		-										.01 MG/L		U
PHOSPHORUS	.44 MG/L		-										.13 MG/L		-
SULFATE	233 MG/L		-										83.7 MG/L		-
SULFIDE	.5 MG/L		UJ										.5 MG/L		U
TOTAL ORGANIC CARBON	18.4 MG/L		-										1 MG/L		U
TOTAL ORGANIC HALIDES	.011 MG/L		J										.016 MG/L		J
TOTAL ORGANIC NITROGEN	.4 MG/L		-										.23 MG/L		U
INORGANICS															
ALUMINUM							.114 MG/L		-						
ARSENIC							.002 MG/L		U						
BARIUM							.0592 MG/L		-						
CADMIUM							.0042 MG/L		-						
CALCIUM							102 MG/L		-						
CHROMIUM							.0284 MG/L		-						
COPPER							.0104 MG/L		-						
IRON							.0567 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							28.9 MG/L		-						
MANGANESE							.0132 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.01 MG/L		U						

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SAMPLE NUMBER:	004331			004331			038362			038362			038362		
LAB:	IT			IT/RSL			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL							.02 MG/L		U						
POTASSIUM							3.25 MG/L		-						
SELENIUM							.003 MG/L		U						
SILICON							4.7 MG/L		-						
SILVER							.0251 MG/L		-						
SODIUM							11.2 MG/L		-						
VANADIUM							.0143 MG/L		-						
RADIONUCLIDES															
URANIUM-238				70.7 PCI/L	9	-				1 PCI/L		UJ			
URANIUM, TOTAL				212 UG/L	27	-				3.85 UG/L	.49	J			
URANIUM-234				77.8 PCI/L	9.9	-				1.98 PCI/L	.62	J			
THORIUM-230				1 PCI/L		U				1 PCI/L		U			
RADIUM-226				1 PCI/L		U				1 PCI/L		U			
URANIUM-235/236				3.83 PCI/L	.89	-				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		U			
THORIUM, TOTAL				1.6 UG/L		U				2.8 UG/L		UJ			
RADIUM-228				3 PCI/L		UJ				5.71 PCI/L	1.98	-			
THORIUM-228				1.94 PCI/L	.41	-				2.13 PCI/L	.75	J			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				39.6 PCI/L	22	J				30 PCI/L		U			
RUTHENIUM-106				150 PCI/L		R				150 PCI/L		R			
CESIUM-137				20 PCI/L		R				20 PCI/L		R			
GROSS ALPHA										8.6 PCI/L		UNV			
GROSS BETA										11.5 PCI/L	3.4	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	038363	GW930917-7	GW930917-7	GW930917-7	GW930917-7
TASK:	50.03.08	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	WEMCO	CORE	FERMCO	NET	NET
WELL OR BORING NUMBER:	2398	2398	2398	2398	2398
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-FEB-91	17-SEP-93	17-SEP-93	17-SEP-93	17-SEP-93
NORTH COORDINATE:	476590.05	476590.05	476590.05	476590.05	476590.05
EAST COORDINATE:	1381346.22	1381346.22	1381346.22	1381346.22	1381346.22
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													277 MG/L		-
AMMONIA													.02 MG/L		U
BICARBONATE ALKALINITY													372 MG/L		-
CARBONATE ALKALINITY													3 MG/L		U
CHLORIDE													26 MG/L		-
FLUORIDE													.13 MG/L		-
NITRATE/NITRITE													1.82 MG/L		J
PH													7.38 SU		-
PHENOLS													.01 MG/L		U
PHOSPHORUS													.1 MG/L		U
SPECIFIC CONDUCTIVITY													700 UMHOS/CM		-
SULFATE													61 MG/L		-
TOTAL DISSOLVED SOLIDS										432 MG/L		-			
TOTAL KJELDAHL NITROGEN													.1 MG/L		U
TOTAL ORGANIC CARBON													1 MG/L		U
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC NITROGEN													.1 MG/L		U
TOTAL SOLIDS													452 MG/L		-
INORGANICS															
ALUMINUM													.02 MG/L		U
ANTIMONY													.03 MG/L		U
ARSENIC													.002 MG/L		U
BARIUM													.0592 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM													.0053 MG/L		-

001397

SAMPLE NUMBER:	038363			GW930917-7			GW930917-7			GW930917-7			GW930917-7		
LAB:	WEMCO			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM													95.1 MG/L		-
CHROMIUM													.006 MG/L		U
COBALT													.0072 MG/L		-
COPPER													.0086 MG/L		U
CYANIDE													.01 MG/L		U
IRON													.0481 MG/L		U
LEAD													.0025 MG/L		UJ
MAGNESIUM													26 MG/L		-
MANGANESE													.007 MG/L		U
MERCURY													.0002 MG/L		U
NICKEL													.01 MG/L		U
POTASSIUM													3.28 MG/L		U
SELENIUM													.0032 MG/L		UJ
SILVER													.004 MG/L		U
SODIUM													12.4 MG/L		-
THALLIUM													.002 MG/L		U
VANADIUM													.003 MG/L		U
ZINC													.0117 MG/L		U
RADIONUCLIDES															
URANIUM-238				1.6 PCI/L	.5	-									
URANIUM, TOTAL	3.7 UG/L		NV	3.94 UG/L	.3	-	5.6 UG/L		NV						
URANIUM-234				1.4 PCI/L	.3	-									
THORIUM-230				.4 PCI/L	.3	-									
RADIUM-226				1 PCI/L	.4	U									
URANIUM-235/236				.2 PCI/L	1.6	UJ									
THORIUM-232				.2 PCI/L	.2	UJ									
THORIUM, TOTAL				.91203204 PCI/L	.2	NV									
RADIUM-228				3 PCI/L	1.1	U									
THORIUM-228				.2 PCI/L	.3	UJ									
TECHNETIUM-99				17.8 PCI/L	9.7	-									
GROSS ALPHA				1.9 PCI/L	1.1	J									
GROSS BETA				15.3 PCI/L	2	-									
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U

SAMPLE NUMBER:	038363			GW930917-7			GW930917-7			GW930917-7			GW930917-7		
LAB:	WEMCO			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		UJ
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004904	004904	004905	GW930722-8	GW930722-8
TASK:	3.2.4	3.2.4	50.03.08	RCRA	RCRA
LAB:	IT	IT	WEMCO	CORE	FERMCO
WELL OR BORING NUMBER:	2398	2398	2398	2398	2398
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-NOV-91	21-NOV-91	21-NOV-91	22-JUL-93	22-JUL-93
NORTH COORDINATE:	476590.05	476590.05	476590.05	476590.05	476590.05
EAST COORDINATE:	1381346.22	1381346.22	1381346.22	1381346.22	1381346.22
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	F-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.14 MG/L		J									
CHLORIDE				18.2 MG/L		-									
FLUORIDE				.192 MG/L		J									
NITRATE				.739 MG/L		J									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				1.67 MG/L		-									
SULFATE				72 MG/L		J									
SULFIDE				.5 MG/L		U									
TOTAL ORGANIC CARBON				1.07 MG/L		J									
TOTAL ORGANIC HALIDES				18.5 MG/L		-									
TOTAL ORGANIC NITROGEN				1 MG/L		J									
INORGANICS															
ALUMINUM	.216 MG/L		-												
ANTIMONY	.03 MG/L		U												
ARSENIC	.002 MG/L		UJ												
BARIUM	.062 MG/L		-												
BERYLLIUM	.002 MG/L		U												
CADMIUM	.0038 MG/L		-												
CALCIUM	108 MG/L		-												
CHROMIUM	.0275 MG/L		-												
COBALT	.01 MG/L		U												
COPPER	.0135 MG/L		-												
IRON	.384 MG/L		-												
LEAD	.002 MG/L		U												
MAGNESIUM	31.9 MG/L		-												

SAMPLE NUMBER:	004904			004904			004905			GW930722-8			GW930722-8		
LAB:	IT			IT			WEMCO			CORE			FERMCO		
SUFFIX/FILTERFLAG:	F-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MANGANESE	.183 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.01 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	2.9 MG/L		-												
SELENIUM	.002 MG/L		U												
SILICON	5.01 MG/L		-												
SILVER	.0239 MG/L		-												
SODIUM	12.7 MG/L		-												
VANADIUM	.0139 MG/L		-												
ZINC	.0061 MG/L		-												
RADIONUCLIDES															
URANIUM-238				9.73 PCI/L	1.84	-				1.5 PCI/L	1.7	J			
URANIUM, TOTAL				1.36 UG/L	.14	J	1.4 UG/L		NV	4 UG/L	.3	-	3.9 UG/L		NV
URANIUM-234				10.1 PCI/L	1.9	-				1.9 PCI/L	1.7	J			
THORIUM-230				1 PCI/L		U				.3 PCI/L	.2	U			
RADIUM-226				1 PCI/L		U				1 PCI/L	.3	U			
URANIUM-235/236				1 PCI/L		U				.2 PCI/L	.1	U			
THORIUM-232				1 PCI/L		U				.2 PCI/L	.2	U			
THORIUM, TOTAL				9.4 UG/L		U									
RADIUM-228				3 PCI/L		UJ				3 PCI/L	1	U			
THORIUM-228				1.9 PCI/L	1.25	-				.2 PCI/L	.2	U			
PLUTONIUM-239/240				1 PCI/L		U				1.4 PCI/L	1	NV			
PLUTONIUM-238				1 PCI/L		U				.5 PCI/L	2.4	UNV			
STRONTIUM-90				5 PCI/L		U				1 PCI/L	.3	U			
TECHNETIUM-99				30 PCI/L		U				15.4 PCI/L	8.2	J			
RUTHENIUM-106				150 PCI/L		U									
CESIUM-137				20 PCI/L		U				4 PCI/L	1.3	UNV			
GROSS ALPHA										3 PCI/L	1.8	UJ			
GROSS BETA										15 PCI/L	2.1	-			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930722-8	GW930722-8	GW930424-1	GW930424-1	GW930424-1
TASK:	RCRA	RCRA	50.03.23	50.03.23	50.03.23
LAB:	NET	NET	CORE	CORE	DATACHEM
WELL OR BORING NUMBER:	2398	2398	2398	2398	2398
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-JUL-93	22-JUL-93	24-APR-93	24-APR-93	24-APR-93
NORTH COORDINATE:	476590.05	476590.05	476590.05	476590.05	476590.05
EAST COORDINATE:	1381346.22	1381346.22	1381346.22	1381346.22	1381346.22
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				276 MG/L		-									
AMMONIA				.02 MG/L		U									
BICARBONATE ALKALINITY				354 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				16 MG/L		-									
FLUORIDE				.13 MG/L		-									
NITRATE/NITRITE				1.83 MG/L		J									
PH				7.46 SU		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.1 MG/L		U									
SPECIFIC CONDUCTIVITY				584 UMHOS/CM		-									
SULFATE				42 MG/L		-									
TOTAL DISSOLVED SOLIDS	373 MG/L		U										390 MG/L		-
TOTAL ORGANIC CARBON				1 MG/L		U									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL SOLIDS				823 MG/L		-									
INORGANICS															
ALUMINUM	.02 MG/L		U	.146 MG/L		-							.014 MG/L		U
ANTIMONY	.03 MG/L		U	.03 MG/L		U							.045 MG/L		U
ARSENIC	.003 MG/L		U	.003 MG/L		U							.001 MG/L		U
BARIUM	.052 MG/L		-	.052 MG/L		-							.0545 MG/L		-
BERYLLIUM	.001 MG/L		U	.001 MG/L		U							.001 MG/L		U
CADMIUM	.003 MG/L		U	.003 MG/L		U							.0033 MG/L		-
CALCIUM	92.2 MG/L		-	94.7 MG/L		-							93.1 MG/L		-
CHROMIUM	.006 MG/L		U	.0102 MG/L		U							.004 MG/L		U

SAMPLE NUMBER:	GW930722-8			GW930722-8			GW930424-1			GW930424-1			GW930424-1		
LAB:	NET			NET			CORE			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT	.005 MG/L		U	.005 MG/L		U							.006 MG/L		U
COPPER	.0083 MG/L		U	.009 MG/L		U							.004 MG/L		U
CYANIDE				.01 MG/L		UJ							.01 MG/L		U
IRON	.0253 MG/L		U	.433 MG/L		-							.015 MG/L		U
LEAD	.0024 MG/L		J	.0026 MG/L		-							.001 MG/L		U
MAGNESIUM	25 MG/L		-	25.7 MG/L		-							25.1 MG/L		-
MANGANESE	.002 MG/L		U	.0297 MG/L		-							.0016 MG/L		U
MERCURY	.0002 MG/L		U	.0002 MG/L		U							.0002 MG/L		U
NICKEL	.01 MG/L		U	.01 MG/L		U							.019 MG/L		U
POTASSIUM	2.69 MG/L		-	2.59 MG/L		-							3.82 MG/L		-
SELENIUM	.0017 MG/L		U	.002 MG/L		UJ							.002 MG/L		UJ
SILVER	.004 MG/L		U	.004 MG/L		U							.003 MG/L		UJ
SODIUM	13 MG/L		-	12.5 MG/L		-							13.5 MG/L		-
THALLIUM	.002 MG/L		U	.002 MG/L		U							.001 MG/L		U
VANADIUM	.003 MG/L		U	.003 MG/L		U							.0042 MG/L		-
ZINC	.0524 MG/L		U	.0215 MG/L		U							.006 MG/L		U
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.051 UG/L		U									
ALPHA-BHC				.051 UG/L		U									
ALPHA-CHLORDANE				.051 UG/L		U									
AROCLOR-1016				1 UG/L		U									
AROCLOR-1221				2 UG/L		U									
AROCLOR-1232				1 UG/L		U									
AROCLOR-1242				1 UG/L		U									
AROCLOR-1248				1 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.051 UG/L		U									
DELTA-BHC				.051 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.051 UG/L		U									
ENDRIN				.1 UG/L		U									
ENDRIN ALDEHYDE				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.051 UG/L		U									

SAMPLE NUMBER:	GW930722-8			GW930722-8			GW930424-1			GW930424-1			GW930424-1		
LAB:	NET			NET			CORE			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
GAMMA-CHLORDANE				.051 UG/L		U									
HEPTACHLOR				.051 UG/L		U									
HEPTACHLOR EPOXIDE				.051 UG/L		U									
METHOXYCHLOR				.51 UG/L		U									
TOXAPHENE				5.1 UG/L		U									
RADIONUCLIDES															
URANIUM-238							.9 PCI/L	.2	J	1 PCI/L	.4	J			
URANIUM, TOTAL							4.2 UG/L	.3	-	4 UG/L	.3	-			
URANIUM-234							1.5 PCI/L	.3	J	1.4 PCI/L	.4	J			
THORIUM-230							.2 PCI/L	.4	UJ	.4 PCI/L	.1	J			
RADIUM-226							1 PCI/L	.4	U	1 PCI/L	.3	U			
URANIUM-235/236							.2 PCI/L	.2	UJ	.2 PCI/L	.3	UJ			
THORIUM-232							.3 PCI/L	.1	J	.3 PCI/L	.1	J			
THORIUM, TOTAL										2.73601984 PCI/L	.1	NV			
RADIUM-228							3 PCI/L	1.2	U	3.3 PCI/L	1.8	U			
THORIUM-228							.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ			
GROSS ALPHA							2.9 PCI/L	1.6	UNV	2.7 PCI/L	1.6	UNV			
GROSS BETA							10.7 PCI/L	1.6	NV	12.7 PCI/L	1.8	NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				11 UG/L		U									
1,2-DICHLOROBENZENE				11 UG/L		U									
1,3-DICHLOROBENZENE				11 UG/L		U									
1,4-DICHLOROBENZENE				11 UG/L		U									
2,4,5-TRICHLOROPHENOL				27 UG/L		U									
2,4,6-TRICHLOROPHENOL				11 UG/L		U									
2,4-DICHLOROPHENOL				11 UG/L		U									
2,4-DIMETHYLPHENOL				11 UG/L		U									
2,4-DINITROPHENOL				27 UG/L		U									
2,4-DINITROTOLUENE				11 UG/L		U									
2,6-DINITROTOLUENE				11 UG/L		U									
2-CHLORONAPHTHALENE				11 UG/L		U									
2-CHLOROPHENOL				11 UG/L		U									
2-METHYLNAPHTHALENE				11 UG/L		U									
2-METHYLPHENOL				11 UG/L		U									
2-NITROANILINE				27 UG/L		U									
2-NITROPHENOL				11 UG/L		U									
3,3'-DICHLOROBENZIDINE				11 UG/L		U									
3-NITROANILINE				27 UG/L		U									

SAMPLE NUMBER:	GW930722-8			GW930722-8			GW930424-1			GW930424-1			GW930424-1		
LAB:	NET			NET			CORE			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
4,6-DINITRO-2-METHYLPHENOL				27 UG/L		U									
4-BROMOPHENYL PHENYL ETHER				11 UG/L		U									
4-CHLORO-3-METHYLPHENOL				11 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER				11 UG/L		U									
4-METHYLPHENOL				11 UG/L		U									
4-NITROANILINE				27 UG/L		U									
4-NITROPHENOL				27 UG/L		UJ									
ACENAPHTHENE				11 UG/L		U									
ACENAPHTHYLENE				11 UG/L		U									
ANTHRACENE				11 UG/L		U									
BENZO(A)ANTHRACENE				11 UG/L		U									
BENZO(A)PYRENE				11 UG/L		U									
BENZO(B)FLUORANTHENE				11 UG/L		U									
BENZO(G,H,I)PERYLENE				11 UG/L		U									
BENZO(K)FLUORANTHENE				11 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				11 UG/L		U									
BIS(2-CHLOROETHYL)ETHER				11 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER				11 UG/L		U									
BIS(2-ETHYLHEXYL)PHTHALATE				11 UG/L		U									
BUTYL BENZYL PHTHALATE				11 UG/L		U									
CARBAZOLE				11 UG/L		U									
CHRYSENE				11 UG/L		U									
DI-N-BUTYL PHTHALATE				2 UG/L		J									
DI-N-OCTYL PHTHALATE				11 UG/L		U									
DIBENZO(A,H)ANTHRACENE				11 UG/L		U									
DIBENZOFURAN				11 UG/L		U									
DIETHYL PHTHALATE				11 UG/L		U									
DIMETHYL PHTHALATE				11 UG/L		U									
FLUORANTHENE				11 UG/L		U									
FLUORENE				11 UG/L		U									
HEXACHLOROBENZENE				11 UG/L		U									
HEXACHLOROBUTADIENE				11 UG/L		U									
HEXACHLOROCYCLOPENTADIENE				11 UG/L		U									
HEXACHLOROETHANE				11 UG/L		U									
INDENO(1,2,3-CD)PYRENE				11 UG/L		U									
ISOPHORONE				11 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE				11 UG/L		U									
N-NITROSODIPHENYLAMINE				11 UG/L		U									
NAPHTHALENE				11 UG/L		U									
NITROBENZENE				11 UG/L		U									
P-CHLOROANILINE				11 UG/L		U									

SAMPLE NUMBER:	GW930722-8			GW930722-8			GW930424-1			GW930424-1			GW930424-1		
LAB:	NET			NET			CORE			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
PENTACHLOROPHENOL				27 UG/L		U									
PHENANTHRENE				11 UG/L		U									
PHENOL				11 UG/L		U									
PYRENE				11 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		UJ									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930424-1	GW930424-1	GW930424-1	068462	068462
TASK:	50.03.23	50.03.23	50.03.23	3.11	3.11
LAB:	DATACHEM	FERMCO	FERMCO	IT	IT
WELL OR BORING NUMBER:	2398	2398	2398	2399	2399
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-APR-93	24-APR-93	24-APR-93	16-DEC-91	16-DEC-91
NORTH COORDINATE:	476590.05	476590.05	476590.05	477314.57	477314.57
EAST COORDINATE:	1381346.22	1381346.22	1381346.22	1381548.79	1381548.79
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	280 MG/L		-												
AMMONIA	.05 MG/L		UJ										.1 MG/L		U
BICARBONATE ALKALINITY	350 MG/L		-												
CARBONATE ALKALINITY	3 MG/L		U												
CHLORIDE	18 MG/L		-										29.4 MG/L		-
FLUORIDE	.1 MG/L		-										.182 MG/L		-
NITRATE	7.5 MG/L		-										.201 MG/L		-
PH	7.5 SU		-										.01 MG/L		U
PHENOLS	.01 MG/L		UJ										.01 MG/L		U
PHOSPHORUS	.09 MG/L		-										.02 MG/L		U
SPECIFIC CONDUCTIVITY	660 UMHOS/CM		-												
SULFATE	25 MG/L		-										51.3 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL KJELDAHL NITROGEN	.1 MG/L		U												
TOTAL ORGANIC CARBON	1 MG/L		U										1 MG/L		U
TOTAL ORGANIC HALIDES	.01 MG/L		UJ										.01 MG/L		U
TOTAL ORGANIC NITROGEN													.1 MG/L		UJ
TOTAL SOLIDS	420 MG/L		-												
INORGANICS															
ALUMINUM	.109 MG/L		U							.097 MG/L		-			
ANTIMONY	.045 MG/L		U												
ARSENIC	.001 MG/L		U							.002 MG/L		U			
BARIUM	.0527 MG/L		-							.0484 MG/L		-			
BERYLLIUM	.001 MG/L		U												
CADMIUM	.003 MG/L		U							.0039 MG/L		-			

SAMPLE NUMBER:	GW930424-1			GW930424-1			GW930424-1			068462			068462		
LAB:	DATACHEM			FERMCO			FERMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	93.9 MG/L		-							82.4 MG/L		-			
CHROMIUM	.0075 MG/L		U							.0255 MG/L		-			
COBALT	.006 MG/L		U												
COPPER	.004 MG/L		U							.01 MG/L		U			
CYANIDE	.01 MG/L		U												
IRON	.329 MG/L		-							.526 MG/L		-			
LEAD	.001 MG/L		U							.002 MG/L		U			
MAGNESIUM	25 MG/L		-							25.7 MG/L		-			
MANGANESE	.0129 MG/L		-							.213 MG/L		-			
MERCURY	.0002 MG/L		U							.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			
NICKEL	.019 MG/L		U							.02 MG/L		U			
POTASSIUM	3.4 MG/L		-							2.66 MG/L		J			
SELENIUM	.002 MG/L		UJ							.002 MG/L		U			
SILICON										4.15 MG/L		-			
SILVER	.003 MG/L		UJ							.0217 MG/L		-			
SODIUM	13.6 MG/L		-							17 MG/L		-			
THALLIUM	.001 MG/L		U												
VANADIUM	.004 MG/L		U							.0125 MG/L		-			
ZINC	.006 MG/L		U												
RADIONUCLIDES															
URANIUM, TOTAL				3.5 UG/L		NV	3.7 UG/L		NV						
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		U												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												

SAMPLE NUMBER:	GW930424-1			GW930424-1			GW930424-1			068462			068462		
LAB:	DATACHEM			FERMCO			FERMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		UJ												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068462	068463	038364	038364	GW930424-4
TASK:	3.11	3.11	50.03.08	50.03.08	50.03.23
LAB:	IT/RSL	WEMCO	IT	IT	CORE
WELL OR BORING NUMBER:	2399	2399	2399	2399	2399
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-DEC-91	16-DEC-91	20-FEB-92	20-FEB-92	22-APR-93
NORTH COORDINATE:	477314.57	477314.57	477314.57	477314.57	477314.57
EAST COORDINATE:	1381548.79	1381548.79	1381548.79	1381548.79	1381548.79
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					GW930424-2
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		U			
CHLORIDE										.5 MG/L		U			
FLUORIDE										.215 MG/L		-			
NITRATE										.1 MG/L		U			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.17 MG/L		-			
SULFATE										59.8 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.013 MG/L		-			
TOTAL ORGANIC NITROGEN										.1 MG/L		-			
INORGANICS															
ALUMINUM							.097 MG/L		-						
ARSENIC							.002 MG/L		U						
BARIUM							.0491 MG/L		-						
CADMIUM							.0037 MG/L		-						
CALCIUM							80.5 MG/L		-						
CHROMIUM							.0237 MG/L		-						
COPPER							.01 MG/L		U						
IRON							.648 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							24.6 MG/L		-						
MANGANESE							.213 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.01 MG/L		U						

SAMPLE NUMBER:	068462			068463			038364			038364			GW930424-4		
LAB:	IT/RSL			WEMCO			IT			IT			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL							.02 MG/L		U						
POTASSIUM							2.9 MG/L		-						
SELENIUM							.003 MG/L		U						
SILICON							4.01 MG/L		-						
SILVER							.0214 MG/L		-						
SODIUM							17.7 MG/L		-						
VANADIUM							.0122 MG/L		-						
RADIONUCLIDES															
URANIUM-238	1.62 PCI/L	.74	J				1 PCI/L		U				.8 PCI/L	.2	J
URANIUM, TOTAL	2.61 UG/L	.28	-	2.4 UG/L		NV	2.27 UG/L	.24	-				2.5 UG/L	.2	-
URANIUM-234	1.7 PCI/L		UJ				1.11 PCI/L	.48	J				1 PCI/L	.2	J
THORIUM-230	1.03 PCI/L	.53	J				1 PCI/L		UJ				.2 PCI/L	.3	UJ
RADIUM-226	1 PCI/L		U				1 PCI/L		U				1 PCI/L	.4	U
URANIUM-235/236	1 PCI/L		UJ				1 PCI/L		U				.2 PCI/L	.2	UJ
THORIUM-232	1 PCI/L		U				1 PCI/L		UJ				.2 PCI/L	.2	U
THORIUM, TOTAL	3.6 UG/L		U				3.1 UG/L		UJ						
RADIUM-228	3 PCI/L		UJ				3 PCI/L		U				3 PCI/L	1.3	U
THORIUM-228	1 PCI/L		U				1.22 PCI/L	.57	J				.2 PCI/L	.2	UJ
NEPTUNIUM-237	.5 PCI/L		UNV				1 PCI/L		R						
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		UJ						
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		UJ						
STRONTIUM-90	5 PCI/L		UJ				5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		UJ						
RUTHENIUM-106	150 PCI/L		UJ				150 PCI/L		U						
CESIUM-137	20 PCI/L		UJ				20 PCI/L		U						
GROSS ALPHA	5.52 PCI/L	3.34	UNV				18.2 PCI/L	6.7	NV				2.7 PCI/L	1.2	NV
GROSS BETA	4 PCI/L		UNV				5.24 PCI/L	2.69	NV				6.2 PCI/L	1.5	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930424-4	GW930424-4	GW930424-4	GW930424-4	GW930424-4
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	FERMCO	FERMCO	LOCKHEED	LOCKHEED
WELL OR BORING NUMBER:	2399	2399	2399	2399	2399
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-APR-93	22-APR-93	22-APR-93	22-APR-93	22-APR-93
NORTH COORDINATE:	477314.57	477314.57	477314.57	477314.57	477314.57
EAST COORDINATE:	1381548.79	1381548.79	1381548.79	1381548.79	1381548.79
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE
QC OF:	GW930424-2	GW930424-2	GW930424-2	GW930424-2	GW930424-2
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													280 MG/L		-
AMMONIA													.079 MG/L		J
BICARBONATE ALKALINITY													280 MG/L		-
CARBONATE ALKALINITY													30 MG/L		U
CHLORIDE													21 MG/L		-
FLUORIDE													.28 MG/L		-
NITRATE/NITRITE													.11 MG/L		-
PH													7.8 SU		-
PHENOLS													.15 MG/L		U
PHOSPHORUS													.03 MG/L		U
SPECIFIC CONDUCTIVITY													620 UMHOS/CM		-
SULFATE													54 MG/L		-
TOTAL DISSOLVED SOLIDS										370 MG/L		-			
TOTAL ORGANIC CARBON													1 MG/L		U
TOTAL ORGANIC HALIDES													.045 MG/L		U
TOTAL ORGANIC NITROGEN													-.079 MG/L		U
TOTAL SOLIDS													370 MG/L		-
INORGANICS															
ALUMINUM										.036 MG/L		U	.0508 MG/L		-
ANTIMONY										.031 MG/L		UJ	.031 MG/L		UJ
ARSENIC										.002 MG/L		UJ	.002 MG/L		U
BARIUM										.0487 MG/L		-	.0474 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.002 MG/L		U	.002 MG/L		U
CALCIUM										90.9 MG/L		-	84 MG/L		-

SAMPLE NUMBER:	GW930424-4			GW930424-4			GW930424-4			GW930424-4			GW930424-4		
LAB:	CORE			FERMCO			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM										.003 MG/L		U	.003 MG/L		U
COBALT										.008 MG/L		U	.008 MG/L		U
COPPER										.004 MG/L		U	.004 MG/L		U
CYANIDE										.02 MG/L		U	.02 MG/L		U
IRON										.652 MG/L		-	1.56 MG/L		-
LEAD										.001 MG/L		U	.001 MG/L		U
MAGNESIUM										26.1 MG/L		-	24.4 MG/L		-
MANGANESE										.208 MG/L		-	.203 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM										.015 MG/L		U	.015 MG/L		U
NICKEL										.031 MG/L		U	.031 MG/L		U
POTASSIUM										2.18 MG/L		-	1.84 MG/L		-
SELENIUM										.002 MG/L		U	.001 MG/L		UJ
SILVER										.003 MG/L		U	.003 MG/L		U
SODIUM										19.9 MG/L		-	18.5 MG/L		-
THALLIUM										.002 MG/L		U	.01 MG/L		U
VANADIUM										.007 MG/L		U	.007 MG/L		U
ZINC										.002 MG/L		U	.014 MG/L		U
RADIONUCLIDES															
URANIUM-238	.5 PCI/L	.2	J												
URANIUM, TOTAL	2.5 UG/L	.2	-	2.1 UG/L		NV	2.3 UG/L		NV						
URANIUM-234	1.1 PCI/L	.3	J												
THORIUM-230	.3 PCI/L	.2	U												
RADIUM-226	1 PCI/L	.3	UJ												
URANIUM-235/236	.2 PCI/L	.1	UJ												
THORIUM-232	.3 PCI/L	.1	U												
RADIUM-228	3 PCI/L	1.3	U												
THORIUM-228	.3 PCI/L	.1	U												
GROSS ALPHA	3.5 PCI/L	1.8	NV												
GROSS BETA	4.3 PCI/L	2.6	NV												
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U

SAMPLE NUMBER:	GW930424-4			GW930424-4			GW930424-4			GW930424-4			GW930424-4		
LAB:	CORE			FERMCO			FERMCO			LOCKHEED			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		UJ
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930424-2	GW930424-2	GW930424-2	GW930424-2	GW930424-2
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	CORE	DATACHEM	DATACHEM	FERMCO
WELL OR BORING NUMBER:	2399	2399	2399	2399	2399
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-APR-93	24-APR-93	24-APR-93	24-APR-93	24-APR-93
NORTH COORDINATE:	477314.57	477314.57	477314.57	477314.57	477314.57
EAST COORDINATE:	1381548.79	1381548.79	1381548.79	1381548.79	1381548.79
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										240 MG/L		-			
AMMONIA										.05 MG/L		UJ			
BICARBONATE ALKALINITY										300 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										23 MG/L		-			
FLUORIDE										.3 MG/L		-			
NITRATE										.09 MG/L		-			
PH										7.7 SU		-			
PHENOLS										.01 MG/L		UJ			
PHOSPHORUS										.06 MG/L		-			
SPECIFIC CONDUCTIVITY										610 UMHOS/CM		-			
SULFATE										40 MG/L		-			
TOTAL DISSOLVED SOLIDS							350 MG/L		-						
TOTAL KJELDAHL NITROGEN										.1 MG/L		U			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.01 MG/L		J			
TOTAL SOLIDS										380 MG/L		-			
INORGANICS															
ALUMINUM							.014 MG/L		UJ	.0844 MG/L		UJ			
ANTIMONY							.045 MG/L		UJ	.045 MG/L		UJ			
ARSENIC							.001 MG/L		UJ	.001 MG/L		UJ			
BARIUM							.0461 MG/L		J	.0497 MG/L		J			
BERYLLIUM							.001 MG/L		UJ	.001 MG/L		UJ			
CADMIUM							.003 MG/L		UJ	.003 MG/L		UJ			
CALCIUM							76.6 MG/L		J	79.9 MG/L		J			

SAMPLE NUMBER:	GW930424-2			GW930424-2			GW930424-2			GW930424-2			GW930424-2		
LAB:	CORE			CORE			DATACHEM			DATACHEM			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM							.004 MG/L		UJ	.0071 MG/L		UJ			
COBALT							.006 MG/L		UJ	.006 MG/L		UJ			
COPPER							.004 MG/L		UJ	.004 MG/L		UJ			
CYANIDE							.01 MG/L		U	.01 MG/L		U			
IRON							.603 MG/L		J	1.68 MG/L		J			
LEAD							.001 MG/L		UJ	.0011 MG/L		J			
MAGNESIUM							22.5 MG/L		J	23 MG/L		J			
MANGANESE							.188 MG/L		J	.193 MG/L		J			
MERCURY							.0002 MG/L		UJ	.0002 MG/L		UJ			
NICKEL							.0259 MG/L		J	.019 MG/L		UJ			
POTASSIUM							3.21 MG/L		UJ	2.66 MG/L		J			
SELENIUM							.002 MG/L		UJ	.002 MG/L		UJ			
SILVER							.003 MG/L		UJ	.003 MG/L		UJ			
SODIUM							19 MG/L		J	19.8 MG/L		J			
THALLIUM							.001 MG/L		UJ	.001 MG/L		UJ			
VANADIUM							.004 MG/L		UJ	.0067 MG/L		UJ			
ZINC							.0174 MG/L		J	.0067 MG/L		J			
RADIONUCLIDES															
URANIUM-238	1 PCI/L	.3	J	.8 PCI/L	.3	J									
URANIUM, TOTAL	2.5 UG/L	.2	-	2.4 UG/L	.2	-							2.2 UG/L		NV
URANIUM-234	1.2 PCI/L	.3	J	.9 PCI/L	.3	J									
THORIUM-230	.2 PCI/L	.3	UJ	.2 PCI/L	.1	R									
RADIUM-226	1 PCI/L	.4	U	1 PCI/L	.3	U									
URANIUM-235/236	.2 PCI/L	.2	UJ	.2 PCI/L	.3	UJ									
THORIUM-232	.2 PCI/L	.2	U	.2 PCI/L	.1	R									
RADIUM-228	3 PCI/L	1	U	3 PCI/L	1.6	U									
THORIUM-228	.2 PCI/L	.3	UJ	.1 PCI/L	.1	R									
GROSS ALPHA	1.7 PCI/L	1.1	UNV	2.5 PCI/L	1.6	NV									
GROSS BETA	5.2 PCI/L	1.4	NV	6.2 PCI/L	1.8	NV									
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			

SAMPLE NUMBER:	GW930424-2			GW930424-2			GW930424-2			GW930424-2			GW930424-2		
LAB:	CORE			CORE			DATACHEM			DATACHEM			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										1 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930424-2	000826-1	000826-1	000828	000828
TASK:	50.03.23	3.7	3.7	3.7	3.7
LAB:	FERMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	2399	2400	2400	2400	2400
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-APR-93	07-JAN-91	07-JAN-91	07-JAN-91	07-JAN-91
NORTH COORDINATE:	477314.57	477899.48	477899.48	477899.48	477899.48
EAST COORDINATE:	1381548.79	1381815.81	1381815.81	1381815.81	1381815.81
QA TYPE:	NORMAL	NORMAL	NORMAL	DUPLICATE	DUPLICATE
QC OF:				000826-1	000826-1
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.29 MG/L		-				.164 MG/L		J
CHLORIDE							34.1 MG/L		-				34.3 MG/L		-
FLUORIDE							.32 MG/L		-				.325 MG/L		-
NITRATE							.211 MG/L		U				.182 MG/L		U
PHENOLS							.01 MG/L		U				.01 MG/L		U
PHOSPHORUS							.09 MG/L		J				.15 MG/L		J
SULFATE							134 MG/L		-				158 MG/L		-
SULFIDE							.5 MG/L		U				.5 MG/L		U
TOTAL ORGANIC CARBON							1.15 MG/L		-				1.24 MG/L		-
TOTAL ORGANIC HALIDES							.016 MG/L		-				.01 MG/L		U
TOTAL ORGANIC NITROGEN							.1 MG/L		U				.1 MG/L		U
INORGANICS															
ALUMINUM				.11 MG/L		-				.105 MG/L		-			
ARSENIC				.002 MG/L		U				.002 MG/L		U			
BARIUM				.0771 MG/L		U				.0785 MG/L		-			
CADMIUM				.0052 MG/L		-				.0049 MG/L		-			
CALCIUM				110 MG/L		-				113 MG/L		-			
CHROMIUM				.0301 MG/L		-				.0307 MG/L		-			
COPPER				.0115 MG/L		-				.0106 MG/L		-			
IRON				1.81 MG/L		-				1.82 MG/L		-			
LEAD				.002 MG/L		U				.002 MG/L		-			
MAGNESIUM				31.2 MG/L		-				31.8 MG/L		-			
MANGANESE				.189 MG/L		-				.193 MG/L		-			
MERCURY				.0002 MG/L		U				.0002 MG/L		-			
MOLYBDENUM				.01 MG/L		U				.01 MG/L		-			

SAMPLE NUMBER:	GW930424-2			000826-1			000826-1			000828			000828		
LAB:	FERMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.02 MG/L		U				.02 MG/L		-			
POTASSIUM				3.41 MG/L		-									
SELENIUM				.002 MG/L		U				.002 MG/L		-			
SILICON				4.4 MG/L		J				4.45 MG/L		J			
SILVER				.0245 MG/L		-				.0247 MG/L		-			
SODIUM				21.3 MG/L		-				21.9 MG/L		-			
VANADIUM				.0143 MG/L		-				.0147 MG/L		-			
RADIONUCLIDES															
URANIUM-238							1 PCI/L		R				1 PCI/L		R
URANIUM, TOTAL	2.2 UG/L		NV				1.73 UG/L	.18	-				1.87 UG/L	.2	-
URANIUM-234							2.79 PCI/L	.94	R				1.47 PCI/L	.62	R
THORIUM-230							1.62 PCI/L	.8	-				1 PCI/L		U
RADIUM-226							1 PCI/L		U				1 PCI/L		U
URANIUM-235/236							1.17 PCI/L	.6	R				1 PCI/L		R
THORIUM-232							1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL							6.2 UG/L		U				3 UG/L		U
RADIUM-228							3 PCI/L		UJ				3 PCI/L		UJ
THORIUM-228							5.14 PCI/L	1.69	J				4.37 PCI/L	1.06	J
NEPTUNIUM-237							1 PCI/L		UJ				1 PCI/L		UJ
PLUTONIUM-239/240							1 PCI/L		U				1 PCI/L		R
PLUTONIUM-238							1 PCI/L		U				1 PCI/L		R
STRONTIUM-90							5 PCI/L		UJ				5 PCI/L		UJ
TECHNETIUM-99							30 PCI/L		UJ				30 PCI/L		UJ
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		UJ
CESIUM-137							20 PCI/L		R				20 PCI/L		UJ
GROSS ALPHA							9.4 PCI/L		UNV				8.4 PCI/L		UNV
GROSS BETA							4.3 PCI/L		UNV				4.45 PCI/L	2.72	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120295			120295F			120296			120296F			120298		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	DATACHEM			DATACHEM			CORE			CORE			FERMCO		
WELL OR BORING NUMBER:	2400			2400			2400			2400			2400		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	11-AUG-93			11-AUG-93			11-AUG-93			11-AUG-93			11-AUG-93		
NORTH COORDINATE:	477899.48			477899.48			477899.48			477899.48			477899.48		
EAST COORDINATE:	1381815.81			1381815.81			1381815.81			1381815.81			1381815.81		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	320 MG/L		-												
AMMONIA	.05 MG/L		U												
CHLORIDE	19 MG/L		-												
FLUORIDE	.3 MG/L		-												
NITRATE/NITRITE	.05 MG/L		U												
PHENOLS	.002 MG/L		U												
PHOSPHORUS	.05 MG/L		-												
SULFATE	250 MG/L		-												
SULFIDE	1 MG/L		U												
TOTAL KJELDAHL NITROGEN	.1 MG/L		U												
TOTAL ORGANIC CARBON	1 MG/L		U												
TOTAL ORGANIC HALIDES	.01 MG/L		U												
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
INORGANICS															
ALUMINUM	.0191 MG/L		-	.014 MG/L		U									
ANTIMONY	.045 MG/L		U	.045 MG/L		U									
ARSENIC	.001 MG/L		UJ	.001 MG/L		UJ									
BARIUM	.0798 MG/L		-	.0751 MG/L		-									
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									
CADMIUM	.003 MG/L		U	.003 MG/L		U									
CALCIUM	142 MG/L		-	138 MG/L		-									
CHROMIUM	.0071 MG/L		UJ	.0077 MG/L		UJ									
COBALT	.006 MG/L		U	.006 MG/L		U									
COPPER	.0055 MG/L		-	.004 MG/L		U									
CYANIDE	.01 MG/L		U	.01 MG/L		U									

SAMPLE NUMBER:	120295			120295F			120296			120296F			120298		
LAB:	DATACHEM			DATACHEM			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON	2.42 MG/L		-	1.93 MG/L		-									
LEAD	.001 MG/L		U	.001 MG/L		U									
MAGNESIUM	36.8 MG/L		-	35.2 MG/L		-									
MANGANESE	.25 MG/L		-	.262 MG/L		-									
MERCURY	.0002 MG/L		U	.0002 MG/L		U									
NICKEL	.019 MG/L		U	.019 MG/L		U									
POTASSIUM	3.6 MG/L		-	3.38 MG/L		-									
SELENIUM	.001 MG/L		UJ	.001 MG/L		UJ									
SILVER	.003 MG/L		U	.003 MG/L		U									
SODIUM	20.9 MG/L		-	20 MG/L		-									
THALLIUM	.001 MG/L		UJ	.001 MG/L		UJ									
VANADIUM	.004 MG/L		U	.004 MG/L		U									
ZINC	.0146 MG/L		-	.0064 MG/L		-									
RADIONUCLIDES															
URANIUM-238							.6 PCI/L	.4	J	.6 PCI/L	.4	J			
URANIUM, TOTAL							2.2 UG/L	.2	-	2.2 UG/L	.2	-	2.3 UG/L		NV
URANIUM-234							.7 PCI/L	.4	J	.9 PCI/L	.4	J			
THORIUM-230							.3 PCI/L	.2	J	.2 PCI/L	.2	UJ			
RADIUM-226							1 PCI/L	.4	U	1 PCI/L	.4	U			
URANIUM-235/236							.2 PCI/L	.3	UJ	.2 PCI/L	.3	UJ			
THORIUM-232							.2 PCI/L	.1	UJ	.2 PCI/L	.2	UJ			
RADIUM-228							3 PCI/L	1.3	U	3 PCI/L	1.3	U			
THORIUM-228							.2 PCI/L	.1	UJ	.2 PCI/L	.2	UJ			
TECHNETIUM-99							15 PCI/L	7.2	U	15 PCI/L	7.4	U			
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		UJ												
BENZENE	10 UG/L		U												

SAMPLE NUMBER:	120295			120295F			120296			120296F			120298		
LAB:	DATACHEM			DATACHEM			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120298F	038322	038322	038324	038375
TASK:	50.03.23	50.03.08	50.03.08	50.03.08	50.03.08
LAB:	FERMCO	IT	IT	WEMCO	DATACHEM
WELL OR BORING NUMBER:	2400	2400	2400	2400	2401
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-AUG-93	11-MAR-92	11-MAR-92	11-MAR-92	03-JUN-92
NORTH COORDINATE:	477899.48	477899.48	477899.48	477899.48	478127.83
EAST COORDINATE:	1381815.81	1381815.81	1381815.81	1381815.81	1379105.21
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U						
CHLORIDE							28.4 MG/L		-						
FLUORIDE							.31 MG/L		-						
NITRATE							.1 MG/L		U						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.02 MG/L		U						
SULFATE							130 MG/L		-						
SULFIDE							.5 MG/L		U						
TOTAL ORGANIC CARBON							1.54 MG/L		-						
TOTAL ORGANIC HALIDES							.01 MG/L		U						
TOTAL ORGANIC NITROGEN							1.8 MG/L		-						
INORGANICS															
ALUMINUM				.102 MG/L		-							.0428 MG/L		-
ARSENIC				.002 MG/L		U							.0011 MG/L		U
BARIUM				.0769 MG/L		-							.0565 MG/L		-
CADMIUM				.0046 MG/L		-							.0056 MG/L		U
CALCIUM				108 MG/L		-							116 MG/L		-
CHROMIUM				.0315 MG/L		-							.0044 MG/L		U
COPPER				.01 MG/L		U							.0078 MG/L		UJ
IRON				1.96 MG/L		-							.0111 MG/L		U
LEAD				.002 MG/L		U							.0011 MG/L		U
MAGNESIUM				31 MG/L		-							32.9 MG/L		-
MANGANESE				.173 MG/L		-							.0028 MG/L		-
MERCURY				.0002 MG/L		U							.0002 MG/L		U
MOLYBDENUM				.01 MG/L		U							.0111 MG/L		U

SAMPLE NUMBER:	120298F			038322			038322			038324			038375		
LAB:	FERMCO			IT			IT			WEMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.02 MG/L		U							.0444 MG/L		U
POTASSIUM				3.54 MG/L		-							1.96 MG/L		-
SELENIUM				.003 MG/L		U							.0012 MG/L		U
SILICON				4.34 MG/L		-							4.28 MG/L		J
SILVER				.0278 MG/L		-							.0044 MG/L		U
SODIUM				20.8 MG/L		-							10.2 MG/L		-
VANADIUM				.0161 MG/L		-							.0067 MG/L		U
RADIONUCLIDES															
URANIUM-238													3.59 PCI/L	.77	NV
URANIUM, TOTAL	2.5 UG/L		NV	1.43 UG/L	.15	-				1.8 UG/L		NV	10.7959724 PCI/L	.77	NV
URANIUM-234													3.39 PCI/L	.74	NV
THORIUM-230				1 PCI/L		U							.2 PCI/L	.11	UNV
RADIUM-226				1 PCI/L		UJ									
URANIUM-235/236													.21 PCI/L	.15	NV
THORIUM-232				1 PCI/L		UJ							.2 PCI/L	.05	UNV
THORIUM, TOTAL				1.5 UG/L		U							.5 UG/L	.09	UNV
RADIUM-228				3 PCI/L		U									
THORIUM-228				1.43 PCI/L	.4	-							.2 PCI/L	.3	UNV
NEPTUNIUM-237				1 PCI/L		R									
PLUTONIUM-239/240				1 PCI/L		U							.5 PCI/L	.08	UNV
PLUTONIUM-238				1 PCI/L		U							.5 PCI/L	.11	UNV
STRONTIUM-90				5 PCI/L		UJ									
TECHNETIUM-99				30 PCI/L		UJ									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA				8.89 PCI/L	4.65	NV							13.24 PCI/L	4.85	NV
GROSS BETA				4 PCI/L		UNV							6.41 PCI/L	4.42	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	038375	038377	116229	116229	GW930511-9
TASK:	50.03.08	50.03.08	20.03.05	20.03.05	50.03.23
LAB:	DATACHEM	WEMCO	IT	ITAS	CORE
WELL OR BORING NUMBER:	2401	2401	2401	2401	2401
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-JUN-92	03-JUN-92	11-MAY-93	11-MAY-93	11-MAY-93
NORTH COORDINATE:	478127.83	478127.83	478127.83	478127.83	478127.83
EAST COORDINATE:	1379105.21	1379105.21	1379105.21	1379105.21	1379105.21
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										339 MG/L		-			
AMMONIA	.05 MG/L		U							.1 MG/L		U			
CHLORIDE	11 MG/L		-							23.6 MG/L		-			
FLUORIDE	.6 MG/L		J							.2 MG/L		-			
NITRATE	1.1 MG/L		-												
PHENOLS	.01 MG/L		U							.01 MG/L		U			
PHOSPHORUS	.08 MG/L		-							.07 MG/L		-			
SULFATE	74 MG/L		-							53.5 MG/L		-			
SULFIDE	.5 MG/L		U							.5 MG/L		U			
TOTAL KJELDAHL NITROGEN										.16 MG/L		-			
TOTAL ORGANIC CARBON	22 MG/L		-							1 MG/L		U			
TOTAL ORGANIC HALIDES	.01 MG/L		J							10 MG/L		U			
TOTAL ORGANIC NITROGEN	1 MG/L		UJ							.16 MG/L		-			
INORGANICS															
ALUMINUM							.234 MG/L		-						
ANTIMONY							.0032 MG/L		UJ						
ARSENIC							.0012 MG/L		-						
BARIUM							.0486 MG/L		-						
BERYLLIUM							.001 MG/L		U						
CADMIUM							.002 MG/L		U						
CALCIUM							110 MG/L		-						
CHROMIUM							.0052 MG/L		-						
COBALT							.003 MG/L		U						
COPPER							.0053 MG/L		U						
CYANIDE							.001 MG/L		U						

SAMPLE NUMBER:	038375			038377			116229			116229			GW930511-9		
LAB:	DATACHEM			WEMCO			IT			ITAS			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON							.706 MG/L		-						
LEAD							.0015 MG/L		-						
MAGNESIUM							33 MG/L		-						
MANGANESE							.017 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.003 MG/L		U						
NICKEL							.0072 MG/L		-						
POTASSIUM							1.68 MG/L		-						
SELENIUM							.001 MG/L		U						
SILICON							5.14 MG/L		-						
SILVER							.002 MG/L		U						
SODIUM							10.7 MG/L		-						
THALLIUM							.001 MG/L		U						
VANADIUM							.008 MG/L		U						
ZINC							.02 MG/L		-						
PESTICIDES															
4,4'-DDD							.1 UG/L		U						
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						
ALDRIN							.05 UG/L		U						
ALPHA-BHC							.05 UG/L		U						
ALPHA-CHLORDANE							.05 UG/L		U						
AROCLOR-1016							1 UG/L		U						
AROCLOR-1221							2 UG/L		U						
AROCLOR-1232							1 UG/L		U						
AROCLOR-1242							1 UG/L		U						
AROCLOR-1248							1 UG/L		U						
AROCLOR-1254							1 UG/L		U						
AROCLOR-1260							1 UG/L		U						
BETA-BHC							.05 UG/L		U						
DELTA-BHC							.05 UG/L		U						
DIELDRIN							.1 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.1 UG/L		U						
ENDRIN ALDEHYDE							.1 UG/L		U						
ENDRIN KETONE							.1 UG/L		U						
GAMMA-BHC (LINDANE)							.05 UG/L		U						
GAMMA-CHLORDANE							.05 UG/L		U						

SAMPLE NUMBER:	038375			038377			116229			116229			GW930511-9		
LAB:	DATACHEM			WEMCO			IT			ITAS			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							5 UG/L		U						
RADIONUCLIDES															
URANIUM-238							1.44 PCI/L	.453	J				2.1 PCI/L	.4	J
URANIUM, TOTAL				11.8 UG/L		NV	5.13 UG/L	.756	-				5.2 UG/L	.4	-
URANIUM-234							1.59 PCI/L	.489	J				1.8 PCI/L	.4	J
THORIUM-230							.298 PCI/L	.171	J				.3 PCI/L	.2	U
RADIUM-226							1 PCI/L		UJ				1 PCI/L	.3	U
URANIUM-235/236							.2 PCI/L		UJ				.2 PCI/L	.1	UJ
THORIUM-232							.2 PCI/L		UJ				.2 PCI/L	.1	U
THORIUM, TOTAL							1.06 UG/L	.401	UJ						
RADIUM-228							3 PCI/L		UJ				3 PCI/L	1.3	U
THORIUM-228							.202 PCI/L		UJ				.5 PCI/L	.2	-
NEPTUNIUM-237							.841 PCI/L	.416	N						
PLUTONIUM-239/240							.5 PCI/L		UJ						
PLUTONIUM-238							.5 PCI/L	.216	UJ						
STRONTIUM-90							1 PCI/L		UJ						
TECHNETIUM-99							15 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							12.9 PCI/L		UJ						
GROSS ALPHA							5.32 PCI/L		UJ				3.3 PCI/L	1.7	UNV
GROSS BETA							4.92 PCI/L		UJ				3.1 PCI/L	1.8	UNV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U						
1,2-DICHLOROBENZENE							10 UG/L		U						
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							25 UG/L		U						
2,4,6-TRICHLOROPHENOL							10 UG/L		U						
2,4-DICHLOROPHENOL							10 UG/L		U						
2,4-DIMETHYLPHENOL							10 UG/L		U						
2,4-DINITROPHENOL							25 UG/L		U						
2,4-DINITROTOLUENE							10 UG/L		U						
2,6-DINITROTOLUENE							10 UG/L		U						
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		U						

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SAMPLE NUMBER:	038375			038377			116229			116229			GW930511-9		
LAB:	DATACHEM			WEMCO			IT			ITAS			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		U						
2-NITROANILINE							25 UG/L		U						
2-NITROPHENOL							10 UG/L		U						
3,3'-DICHLOROBENZIDINE							10 UG/L		U						
3-NITROANILINE							25 UG/L		U						
4,6-DINITRO-2-METHYLPHENOL							25 UG/L		UR						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		U						
4-NITROANILINE							25 UG/L		UR						
4-NITROPHENOL							25 UG/L		U						
ACENAPHTHENE							10 UG/L		U						
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		U						
BENZO(B)FLUORANTHENE							10 UG/L		U						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZOIC ACID							50 UG/L		U						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		UJ						
BIS(2-ETHYLHEXYL)PHTHALATE							2 UG/L		J						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
CARBAZOLE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							5 UG/L		J						
DI-N-OCTYL PHTHALATE							10 UG/L		U						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U						

SAMPLE NUMBER:	038375			038377			116229			116229			GW930511-9		
LAB:	DATACHEM			WEMCO			IT			ITAS			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		U						
NITROBENZENE							10 UG/L		U						
P-CHLOROANILINE							10 UG/L		U						
PENTACHLOROPHENOL							25 UG/L		U						
PHENANTHRENE							10 UG/L		U						
PHENOL	.01 MG/L		U				10 UG/L		U	.01 MG/L		U			
PYRENE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		U						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						

SAMPLE NUMBER:	038375			038377			116229			116229			GW930511-9		
LAB:	DATACHEM			WEMCO			IT			ITAS			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930511-9			GW930511-9			GW930511-9			116225			116225		
TASK:	50.03.23			50.03.23			50.03.23			20.03.05			20.03.05		
LAB:	FERMCO			LOCKHEED			LOCKHEED			IT			IT/MWL		
WELL OR BORING NUMBER:	2401			2401			2401			2402			2402		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	11-MAY-93			11-MAY-93			11-MAY-93			05-MAY-93			05-MAY-93		
NORTH COORDINATE:	478127.83			478127.83			478127.83			478193.48			478193.48		
EAST COORDINATE:	1379105.21			1379105.21			1379105.21			1378776.56			1378776.56		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							350 MG/L		-						
BICARBONATE ALKALINITY							350 MG/L		-						
CARBONATE ALKALINITY							30 MG/L		U						
PH							7.9 SU		-				10 UG/L		U
SPECIFIC CONDUCTIVITY							840 UMHOS/CM		-						
TOTAL DISSOLVED SOLIDS				480 MG/L		-									
TOTAL SOLIDS							490 MG/L		-						
INORGANICS															
ALUMINUM				.024 MG/L		UJ				.676 MG/L		-			
ANTIMONY				.027 MG/L		UJ				.0033 MG/L		UJ			
ARSENIC				.002 MG/L		U				.0016 MG/L		-			
BARIUM				.0508 MG/L		-				.0475 MG/L		-			
BERYLLIUM				.001 MG/L		U				.001 MG/L		U			
CADMIUM				.002 MG/L		U				.002 MG/L		U			
CALCIUM				119 MG/L		-				89.5 MG/L		-			
CHROMIUM				.004 MG/L		U				.0055 MG/L		-			
COBALT				.005 MG/L		U				.003 MG/L		U			
COPPER				.003 MG/L		U				.0106 MG/L		U			
CYANIDE				.02 MG/L		U				.001 MG/L		U			
IRON				.005 MG/L		U				2.67 MG/L		-			
LEAD				.002 MG/L		U				.0039 MG/L		-			
MAGNESIUM				33.9 MG/L		-				26.9 MG/L		-			
MANGANESE				.0026 MG/L		-				.0677 MG/L		-			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.011 MG/L		U				.0046 MG/L		U			

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SAMPLE NUMBER:	GW930511-9			GW930511-9			GW930511-9			116225			116225		
LAB:	FERMCO			LOCKHEED			LOCKHEED			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.011 MG/L		U				.0075 MG/L		-			
POTASSIUM				1.52 MG/L		-				2.52 MG/L		-			
SELENIUM				.001 MG/L		U				.001 MG/L		U			
SILICON										3.77 MG/L		-			
SILVER				.004 MG/L		U				.002 MG/L		U			
SODIUM				10.6 MG/L		-				8.97 MG/L		-			
THALLIUM				.003 MG/L		U				.001 MG/L		U			
VANADIUM				.004 MG/L		U				.0096 MG/L		U			
ZINC				.0061 MG/L		-				.0411 MG/L		-			
RADIONUCLIDES															
URANIUM-238										3.18 PCI/L	.8	-			
URANIUM, TOTAL	4.5 UG/L		NV							5.62 UG/L	.83	-			
URANIUM-234										2.17 PCI/L	.59	-			
THORIUM-230										.32 PCI/L	.19	J			
RADIUM-226										1 PCI/L	.15	UJ			
URANIUM-235/236										.2 PCI/L	.12	UJ			
THORIUM-232										.2 PCI/L		UJ			
THORIUM, TOTAL										1.35 UG/L	1	UJ			
RADIUM-228										3 PCI/L		UJ			
THORIUM-228										.2 PCI/L		UJ			
NEPTUNIUM-237										.5 PCI/L	.1663	UJ			
PLUTONIUM-239/240										.5 PCI/L	.07237	UJ			
PLUTONIUM-238										.5 PCI/L		UJ			
STRONTIUM-90										1 PCI/L		UJ			
TECHNETIUM-99										15 PCI/L		UJ			
RUTHENIUM-106										150 PCI/L		UJ			
CESIUM-137										10.5 PCI/L		UJ			
GROSS ALPHA										9.52 PCI/L	5.69	J			
GROSS BETA										7.93 PCI/L	3.19	J			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													25 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U

SAMPLE NUMBER:	GW930511-9			GW930511-9			GW930511-9			116225			116225		
LAB:	FERMCO			LOCKHEED			LOCKHEED			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,4-DINITROPHENOL													25 UG/L		UR
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													25 UG/L		U
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													10 UG/L		U
3-NITROANILINE													25 UG/L		U
4,6-DINITRO-2-METHYLPHENOL													25 UG/L		UJ
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													25 UG/L		U
4-NITROPHENOL													25 UG/L		UJ
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		U
BENZOIC ACID													50 UG/L		UR
BENZYL ALCOHOL													10 UG/L		UJ
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		UJ
BUTYL BENZYL PHTHALATE													10 UG/L		U
CARBAZOLE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													10 UG/L		U
DI-N-OCTYL PHTHALATE													10 UG/L		UR
DIBENZO(A,H)ANTHRACENE													10 UG/L		UJ
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U

SAMPLE NUMBER:	GW930511-9			GW930511-9			GW930511-9			116225			116225		
LAB:	FERMCO			LOCKHEED			LOCKHEED			IT			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		U
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		U
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													25 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL													10 UG/L		U
PYRENE													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	116225			116225			116226			038339			038339		
TASK:	20.03.05			20.03.05			20.03.05			50.03.08			50.03.08		
LAB:	IT/RSL			ITAS			IT			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	2402			2402			2402			2402			2402		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-MAY-93			05-MAY-93			05-MAY-93			07-APR-92			07-APR-92		
NORTH COORDINATE:	478193.48			478193.48			478193.48			478193.48			478193.48		
EAST COORDINATE:	1378776.56			1378776.56			1378776.56			1378776.56			1378776.56		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				209.9 MG/L		-									
AMMONIA				.1 MG/L		U							.05 MG/L		UJ
CHLORIDE				20.28 MG/L		-							22 MG/L		J
FLUORIDE				.28 MG/L		-							.2 MG/L		J
NITRATE				2.46 MG/L		J							2.5 MG/L		J
PHENOLS				.01 MG/L		U							.01 MG/L		U
PHOSPHORUS				.14 MG/L		-							.12 MG/L		J
SULFATE				68.5 MG/L		-							63 MG/L		-
SULFIDE				.5 MG/L		U							.5 MG/L		U
TOTAL KJELDAHL NITROGEN				3.01 MG/L		-									
TOTAL ORGANIC CARBON				1 MG/L		U							3 MG/L		-
TOTAL ORGANIC HALIDES				.0108 MG/L		J							.01 MG/L		-
TOTAL ORGANIC NITROGEN				2.9 MG/L		-							1 MG/L		UJ
INORGANICS															
ALUMINUM							.0685 MG/L		U	.0267 MG/L		U			
ANTIMONY							.0035 MG/L		UJ						
ARSENIC							.001 MG/L		U	.0011 MG/L		U			
BARIUM							.0486 MG/L		-	.0412 MG/L		-			
BERYLLIUM							.001 MG/L		U						
CADMIUM							.002 MG/L		U	.0044 MG/L		UJ			
CALCIUM							83.7 MG/L		-	75.1 MG/L		-			
CHROMIUM							.004 MG/L		U	.0078 MG/L		U			
COBALT							.003 MG/L		U						
COPPER							.002 MG/L		U	.0044 MG/L		U			
CYANIDE							.001 MG/L		UR						

SAMPLE NUMBER:	116225			116225			116226			038339			038339		
LAB:	IT/RSL			ITAS			IT			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
IRON							.0976 MG/L		U	.0078 MG/L		U			
LEAD							.001 MG/L		U	.0011 MG/L		U			
MAGNESIUM							23.5 MG/L		-	18.8 MG/L		-			
MANGANESE							.0049 MG/L		U	.0067 MG/L		U			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
MOLYBDENUM							.003 MG/L		U	.0033 MG/L		UJ			
NICKEL							.003 MG/L		U	.0189 MG/L		U			
POTASSIUM							2.75 MG/L		-	2.68 MG/L		-			
SELENIUM							.001 MG/L		U	.0013 MG/L		J			
SILICON							3.3 MG/L		-	2.53 MG/L		J			
SILVER							.002 MG/L		U	.0044 MG/L		U			
SODIUM							11.4 MG/L		-	12.9 MG/L		-			
THALLIUM							.001 MG/L		U						
VANADIUM							.0054 MG/L		U	.0056 MG/L		U			
ZINC							.005 MG/L		U						
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		UJ												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		UJ												
ALPHA-CHLORDANE	.05 UG/L		U												
AROCLOR-1016	1 UG/L		U												
AROCLOR-1221	2 UG/L		U												
AROCLOR-1232	1 UG/L		U												
AROCLOR-1242	1 UG/L		U												
AROCLOR-1248	1 UG/L		U												
AROCLOR-1254	1 UG/L		U												
AROCLOR-1260	1 UG/L		U												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		UJ												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												
ENDRIN ALDEHYDE	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		UJ												
GAMMA-CHLORDANE	.05 UG/L		U												

SAMPLE NUMBER:	116225			116225			116226			038339			038339		
LAB:	IT/RSL			ITAS			IT			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	5 UG/L		U												
RADIONUCLIDES															
URANIUM-238							5.89 PCI/L	1.37	-						
URANIUM, TOTAL							15.2 UG/L	2.1	-						
URANIUM-234							4.54 PCI/L	1.08	-						
THORIUM-230							.2 PCI/L	.14	U						
RADIUM-226							1 PCI/L		UJ						
URANIUM-235/236							.2 PCI/L	.13	U						
THORIUM-232							.2 PCI/L		UJ						
THORIUM, TOTAL							1.75 UG/L	.31	UJ						
RADIUM-228							3 PCI/L		UJ						
THORIUM-228							.21 PCI/L	.16	-						
NEPTUNIUM-237							.5 PCI/L	.35	UJ						
PLUTONIUM-239/240							.5 PCI/L		UJ						
PLUTONIUM-238							.5 PCI/L		UJ						
STRONTIUM-90							2.68 PCI/L	.64	U						
TECHNETIUM-99							15 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							13.8 PCI/L		UJ						
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		UJ												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		UJ												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	3 UG/L		R												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												

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SAMPLE NUMBER:	116225			116225			116226			038339			038339		
LAB:	IT/RSL			ITAS			IT			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	26 UG/L		J												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		UJ												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		UR												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL ACETATE	10 UG/L		UJ												
VINYL CHLORIDE	10 UG/L		UJ												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	038341			038345			038304			038304			038304		
TASK:	50.03.08			50.03.08			50.03.08			50.03.08			50.03.08		
LAB:	WMCO			DATACHEM			IT			IT-KNOX			IT		
WELL OR BORING NUMBER:	2402			2402			2402			2402			2402		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-APR-92			10-APR-92			28-JAN-92			28-JAN-92			28-JAN-92		
NORTH COORDINATE:	478193.48			478193.48			478193.48			478193.48			478193.48		
EAST COORDINATE:	1378776.56			1378776.56			1378776.56			1378776.56			1378776.56		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		U			
CHLORIDE										18.6 MG/L		-			
FLUORIDE										.245 MG/L		-			
NITRATE										1.18 MG/L		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.24 MG/L		-			
SULFATE										75.4 MG/L		J			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON										2.26 MG/L		-			
TOTAL ORGANIC HALIDES													.016 MG/L		U
TOTAL ORGANIC NITROGEN										.29 MG/L		J			
INORGANICS															
ALUMINUM							.0934 MG/L		R						
ARSENIC							.002 MG/L		U						
BARIUM							.0391 MG/L		R						
CADMIUM							.002 MG/L		UR						
CALCIUM							79 MG/L		R						
CHROMIUM							.0233 MG/L		R						
COPPER							.01 MG/L		UR						
IRON							.0544 MG/L		R						
LEAD							.002 MG/L		U						
MAGNESIUM							20.8 MG/L		R						
MANGANESE							.0331 MG/L		R						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.01 MG/L		UR						

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SAMPLE NUMBER:	038341			038345			038304			038304			038304		
LAB:	WMCO			DATACHEM			IT			IT-KNOX			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL							.02 MG/L		UR						
POTASSIUM							2.92 MG/L		-						
SELENIUM							.003 MG/L		U						
SILICON							1.31 MG/L		R						
SILVER							.0194 MG/L		R						
SODIUM							10.9 MG/L		R						
VANADIUM							.0104 MG/L		R						
RADIONUCLIDES															
URANIUM-238				6.67 PCI/L	1.23	NV	9.97 PCI/L	1.71	-						
URANIUM, TOTAL	22 UG/L		NV	20.1 UG/L	3.01	NV	27.3 UG/L	3.8	-						
URANIUM-234				6.31 PCI/L	1.18	NV	7.73 PCI/L	1.44	-						
THORIUM-230				.45 PCI/L	.24	NV	1 PCI/L		U						
URANIUM-235/236				.56 PCI/L	.24	NV	1 PCI/L		U						
THORIUM-232				.2 PCI/L	.05	UNV	1 PCI/L		U						
THORIUM, TOTAL				.5 UG/L	.09	UNV	1.2 UG/L		U						
RADIUM-228							3 PCI/L		U						
THORIUM-228				.54 PCI/L	.42	NV	1 PCI/L		U						
PLUTONIUM-239/240				.5 PCI/L	.18	UNV	1 PCI/L		U						
PLUTONIUM-238				.67 PCI/L	.26	NV	1 PCI/L		U						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							30 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		U						
CESIUM-137							20 PCI/L		U						
GROSS ALPHA				17.91 PCI/L	3.81	NV	9.61 PCI/L	5.17	NV						
GROSS BETA				12.63 PCI/L	4.31	NV	8.56 PCI/L	2.65	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	038305			120058-1			120058-1			120058			120058		
TASK:	50.03.08			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	WEMCO			NET			NET			CORE			FERMCO		
WELL OR BORING NUMBER:	2402			2417			2417			2417			2417		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	28-JAN-92			08-JUN-93			08-JUN-93			08-JUN-93			08-JUN-93		
NORTH COORDINATE:	478193.48			480303.49			480303.49			480303.49			480303.49		
EAST COORDINATE:	1378776.56			1382933.86			1382933.86			1382933.86			1382933.86		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							264 MG/L		-						
AMMONIA							.08 MG/L		-						
BICARBONATE ALKALINITY							372 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE							20 MG/L		-						
FLUORIDE							.15 MG/L		-						
NITRATE/NITRITE							.02 MG/L		UJ						
PH							7.61 SU		-						
PHENOLS							.01 MG/L		UJ						
PHOSPHORUS							.1 MG/L		U						
SPECIFIC CONDUCTIVITY							1030 UMHOS/CM		-						
SULFATE							456 MG/L		J						
TOTAL DISSOLVED SOLIDS				1010 MG/L		-									
TOTAL KJELDAHL NITROGEN							.15 MG/L		-						
TOTAL ORGANIC CARBON							1 MG/L		UR						
TOTAL ORGANIC HALOGENS							.01 MG/L		U						
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
TOTAL SOLIDS							1050 MG/L		-						
INORGANICS															
ALUMINUM				.02 MG/L		U	.02 MG/L		U						
ANTIMONY				.045 MG/L		UJ	.045 MG/L		UJ						
ARSENIC				.002 MG/L		U	.002 MG/L		UJ						
BARIUM				.0669 MG/L		-	.067 MG/L		-						
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						
CADMIUM				.0083 MG/L		-	.0163 MG/L		-						

SAMPLE NUMBER:	038305			120058-1			120058-1			120058			120058		
LAB:	WEMCO			NET			NET			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				225 MG/L		-	227 MG/L		-						
CHROMIUM				.005 MG/L		U	.005 MG/L		U						
COBALT				.009 MG/L		-	.0085 MG/L		-						
COPPER				.003 MG/L		U	.01 MG/L		U						
CYANIDE				.01 MG/L		UJ	.01 MG/L		UJ						
IRON				3.72 MG/L		-	3.96 MG/L		-						
LEAD				.001 MG/L		UJ	.001 MG/L		UJ						
MAGNESIUM				37.3 MG/L		-	37.8 MG/L		-						
MANGANESE				.535 MG/L		-	.548 MG/L		-						
MERCURY				.0002 MG/L		UJ	.0002 MG/L		U						
NICKEL				.02 MG/L		U	.02 MG/L		U						
POTASSIUM				2.46 MG/L		-	2.61 MG/L		U						
SELENIUM				.011 MG/L		J	.0112 MG/L		J						
SILVER				.007 MG/L		U	.007 MG/L		U						
SODIUM				10.6 MG/L		J	11.1 MG/L		J						
THALLIUM				.002 MG/L		U	.002 MG/L		UJ						
VANADIUM				.003 MG/L		U	.003 MG/L		U						
ZINC				.0316 MG/L		U	.0296 MG/L		UJ						
RADIONUCLIDES															
URANIUM-238										1.8 PCI/L	.4	-			
URANIUM, TOTAL	27 UG/L		NV							2.6 UG/L	.2	-	2 UG/L		NV
URANIUM-234										1.6 PCI/L	.4	-			
THORIUM-230										.2 PCI/L	.2	UJ			
RADIUM-226										1 PCI/L	.3	U			
URANIUM-235/236										.2 PCI/L	.8	U			
THORIUM-232										.3 PCI/L	.2	U			
RADIUM-228										3 PCI/L	.9	U			
THORIUM-228										.3 PCI/L	.3	U			
GROSS ALPHA										8.6 PCI/L	4.5	UNV			
GROSS BETA										8.7 PCI/L	5.1	UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							3 UG/L		J						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						

SAMPLE NUMBER:	038305			120058-1			120058-1			120058			120058		
LAB:	WEMCO			NET			NET			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							11 UG/L		-						
2-HEXANONE							7 UG/L		J						
4-METHYL-2-PENTANONE							4 UG/L		J						
ACETONE							10 UG/L		-						
BENZENE							10 UG/L		UJ						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		UJ						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		UJ						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		UJ						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		UJ						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120058F	120058F	038370	038370	038372
TASK:	50.03.23	50.03.23	50.03.08	50.03.08	50.03.08
LAB:	CORE	FERMCO	DATACHEM	DATACHEM	WEMCO
WELL OR BORING NUMBER:	2417	2417	2417	2417	2417
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-JUN-93	08-JUN-93	15-APR-92	15-APR-92	15-APR-92
NORTH COORDINATE:	480303.49	480303.49	480303.49	480303.49	480303.49
EAST COORDINATE:	1382933.86	1382933.86	1382933.86	1382933.86	1382933.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	120058	120058			
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.05 MG/L		UJ			
CHLORIDE										19 MG/L		J			
FLUORIDE										.2 MG/L		J			
NITRATE										.1 MG/L		UJ			
PHENOLS										.01 MG/L		-			
PHOSPHORUS										.01 MG/L		J			
SULFATE										120 MG/L		-			
SULFIDE										.5 MG/L		-			
TOTAL ORGANIC CARBON										2 MG/L		-			
TOTAL ORGANIC HALIDES										.02 MG/L		-			
TOTAL ORGANIC NITROGEN										1 MG/L		UJ			
INORGANICS															
ALUMINUM							.0267 MG/L		U						
ARSENIC							.0011 MG/L		U						
BARIUM							.0724 MG/L		-						
CADMIUM							.0044 MG/L		U						
CALCIUM							105 MG/L		J						
CHROMIUM							.0078 MG/L		U						
COPPER							.0044 MG/L		U						
IRON							2.76 MG/L		-						
LEAD							.0011 MG/L		UJ						
MAGNESIUM							25.8 MG/L		-						
MANGANESE							.231 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.0033 MG/L		UJ						

SAMPLE NUMBER:	120058F			120058F			038370			038370			038372		
LAB:	CORE			FERMCO			DATACHEM			DATACHEM			WEMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL							.0189 MG/L		U						
POTASSIUM							2.5 MG/L		-						
SELENIUM							.0011 MG/L		UJ						
SILICON							4.49 MG/L		J						
SILVER							.0044 MG/L		U						
SODIUM							10.4 MG/L		-						
VANADIUM							.0056 MG/L		U						
RADIONUCLIDES															
URANIUM-238	1 PCI/L	.3	-				.2 PCI/L	.13	UNV						
URANIUM, TOTAL	2.2 UG/L	.2	-	2 UG/L		NV	.57 UG/L	.09	NV				.9 UG/L		NV
URANIUM-234	.9 PCI/L	.3	-				.52 PCI/L	.23	NV						
THORIUM-230	.2 PCI/L	.2	UJ				.2 PCI/L	.14	UNV						
RADIUM-226	1 PCI/L	.4	U												
URANIUM-235/236	.2 PCI/L	.3	U				.2 PCI/L	.06	UNV						
THORIUM-232	.2 PCI/L	.2	UJ				.2 PCI/L	.07	UNV						
THORIUM, TOTAL							.5 UG/L	.14	UNV						
RADIUM-228	3 PCI/L	1.2	U												
THORIUM-228	.2 PCI/L	.2	UJ				.2 PCI/L	.33	UNV						
PLUTONIUM-239/240							.5 PCI/L	.21	UNV						
PLUTONIUM-238							.5 PCI/L	.12	UNV						
GROSS ALPHA	3.1 PCI/L	2	UNV				2.54 PCI/L	3.68	NV						
GROSS BETA	4.4 PCI/L	2.6	UNV				10.25 PCI/L	5.7	NV						

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930917-2	GW930917-2	GW930917-2	038386	038386
TASK:	RCRA	RCRA	RCRA	50.03.08	50.03.08
LAB:	CORE	NET	NET	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	2417	2417	2417	2417	2417
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-SEP-93	17-SEP-93	17-SEP-93	22-JUN-92	22-JUN-92
NORTH COORDINATE:	480303.49	480303.49	480303.49	480303.49	480303.49
EAST COORDINATE:	1382933.86	1382933.86	1382933.86	1382933.86	1382933.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							277 MG/L		-						
AMMONIA							.02 MG/L		U				.05 MG/L		UJ
BICARBONATE ALKALINITY							354 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE							19 MG/L		-				19 MG/L		-
FLUORIDE							.19 MG/L		-				.2 MG/L		-
NITRATE							.02 MG/L		UR				.1 MG/L		U
NITRATE/NITRITE							.02 MG/L		UR						
PH							7.14 SU		-				.01 MG/L		U
PHENOLS							.01 MG/L		U				.01 MG/L		U
PHOSPHORUS							.1 MG/L		U				.03 MG/L		UJ
SPECIFIC CONDUCTIVITY							805 UMHOS/CM		-						
SULFATE							161 MG/L		-				100 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL DISSOLVED SOLIDS				578 MG/L		-									
TOTAL KJELDAHL NITROGEN							.1 MG/L		-						
TOTAL ORGANIC CARBON							1 MG/L		U				1 MG/L		U
TOTAL ORGANIC HALIDES							.01 MG/L		U				.24 MG/L		-
TOTAL ORGANIC NITROGEN							.1 MG/L		-				1 MG/L		U
TOTAL SOLIDS							605 MG/L		-						
INORGANICS															
ALUMINUM							.02 MG/L		U	.02 MG/L		U			
ANTIMONY							.03 MG/L		U	.0611 MG/L		-			
ARSENIC							.002 MG/L		U	.0011 MG/L		U			
BARIUM							.0617 MG/L		-	.072 MG/L		-			

SAMPLE NUMBER:	GW930917-2			GW930917-2			GW930917-2			038386			038386		
LAB:	CORE			NET			NET			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM							.001 MG/L		U	.0011 MG/L		U			
CADMIUM							.004 MG/L		-	.0033 MG/L		U			
CALCIUM							130 MG/L		-	133 MG/L		-			
CHROMIUM							.006 MG/L		U	.0044 MG/L		U			
COBALT							.0093 MG/L		-	.0078 MG/L		U			
COPPER							.0059 MG/L		U	.006 MG/L		U			
CYANIDE							.01 MG/L		U						
IRON							2.08 MG/L		U	2.56 MG/L		-			
LEAD							.002 MG/L		U	.0011 MG/L		U			
MAGNESIUM							23.4 MG/L		-	30.1 MG/L		-			
MANGANESE							.415 MG/L		-	.312 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
MOLYBDENUM										.0111 MG/L		U			
NICKEL							.01 MG/L		U	.02 MG/L		U			
POTASSIUM							2.79 MG/L		U	2.3 MG/L		-			
SELENIUM							.002 MG/L		U	.0011 MG/L		UJ			
SILICON										4.81 MG/L		J			
SILVER							.0046 MG/L		U	.0033 MG/L		UJ			
SODIUM							9.95 MG/L		-	12.4 MG/L		-			
THALLIUM							.002 MG/L		U						
VANADIUM							.003 MG/L		U	.0043 MG/L		U			
ZINC							.0104 MG/L		U	.0033 MG/L		U			
RADIONUCLIDES															
URANIUM-238	.6 PCI/L	.3	-												
URANIUM, TOTAL	2.07 UG/L	.1	-												
URANIUM-234	1.5 PCI/L	.3	J												
THORIUM-230	.2 PCI/L	.3	UJ												
RADIUM-226	1 PCI/L	.4	U												
URANIUM-235/236	.2 PCI/L	1.6	UJ												
THORIUM-232	.2 PCI/L	.2	U												
RADIUM-228	3 PCI/L	1.5	U												
THORIUM-228	.2 PCI/L	.3	U												
TECHNETIUM-99	16.5 PCI/L	9.5	U												
GROSS ALPHA	2.6 PCI/L	1.2	J							4.86 PCI/L	10.59	NV			
GROSS BETA	5.8 PCI/L	2.4	-							6.15 PCI/L	13.95	NV			
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						

SAMPLE NUMBER:	GW930917-2			GW930917-2			GW930917-2			038386			038386		
LAB:	CORE			NET			NET			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							5 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							18 UG/L		UJ						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	038388	GW930727-7	GW930727-7	GW930727-7	GW930727-7
TASK:	50.03.08	RCRA	RCRA	RCRA	RCRA
LAB:	WEMCO	CORE	FERMCO	NET	NET
WELL OR BORING NUMBER:	2417	2417	2417	2417	2417
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-JUN-92	27-JUL-93	27-JUL-93	27-JUL-93	27-JUL-93
NORTH COORDINATE:	480303.49	480303.49	480303.49	480303.49	480303.49
EAST COORDINATE:	1382933.86	1382933.86	1382933.86	1382933.86	1382933.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													248 MG/L		-
AMMONIA													.1 MG/L		-
BICARBONATE ALKALINITY													323 MG/L		-
CARBONATE ALKALINITY													3 MG/L		U
CHLORIDE													17 MG/L		-
FLUORIDE													.18 MG/L		-
NITRATE/NITRITE													.03 MG/L		J
PH													7.19 SU		-
PHENOLS													.01 MG/L		U
PHOSPHORUS													.1 MG/L		U
SPECIFIC CONDUCTIVITY													944 UMHOS/CM		-
SULFATE													246 MG/L		-
TOTAL DISSOLVED SOLIDS										707 MG/L		-			
TOTAL ORGANIC CARBON													1 MG/L		-
TOTAL ORGANIC HALOGENS													.01 MG/L		U
TOTAL SOLIDS													918 MG/L		-
INORGANICS															
ALUMINUM										.02 MG/L		U	.149 MG/L		-
ANTIMONY										.03 MG/L		U	.03 MG/L		U
ARSENIC										.003 MG/L		U	.003 MG/L		U
BARIUM										.0597 MG/L		-	.0505 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.0065 MG/L		-	.0038 MG/L		-
CALCIUM										183 MG/L		J	157 MG/L		-
CHROMIUM										.006 MG/L		U	.006 MG/L		U

SAMPLE NUMBER:	038388			GW930727-7			GW930727-7			GW930727-7			GW930727-7		
LAB:	WEMCO			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT										.005 MG/L		U	.005 MG/L		U
COPPER										.0046 MG/L		-	.0103 MG/L		U
CYANIDE													.01 MG/L		U
IRON										2.38 MG/L		J	3.72 MG/L		-
LEAD										.002 MG/L		UJ	.0031 MG/L		U
MAGNESIUM										28.4 MG/L		-	25.4 MG/L		-
MANGANESE										.516 MG/L		-	.54 MG/L		-
MERCURY										.0002 MG/L		UJ	.0002 MG/L		U
NICKEL										.01 MG/L		U	.01 MG/L		U
POTASSIUM										2.4 MG/L		-	2.19 MG/L		-
SELENIUM										.001 MG/L		UJ	.001 MG/L		UJ
SILVER										.004 MG/L		U	.004 MG/L		U
SODIUM										9.85 MG/L		-	8.94 MG/L		-
THALLIUM										.002 MG/L		U	.002 MG/L		U
VANADIUM										.003 MG/L		U	.003 MG/L		U
ZINC										.0326 MG/L		J	.0088 MG/L		-
PESTICIDES															
4,4'-DDD													.1 UG/L		U
4,4'-DDE													.1 UG/L		U
4,4'-DDT													.1 UG/L		U
ALDRIN													.051 UG/L		U
ALPHA-BHC													.051 UG/L		U
ALPHA-CHLORDANE													.051 UG/L		U
AROCLOR-1016													1 UG/L		UJ
AROCLOR-1221													2 UG/L		UJ
AROCLOR-1232													1 UG/L		UJ
AROCLOR-1242													1 UG/L		UJ
AROCLOR-1248													1 UG/L		UJ
AROCLOR-1254													1 UG/L		UJ
AROCLOR-1260													1 UG/L		UJ
BETA-BHC													.051 UG/L		U
DELTA-BHC													.051 UG/L		U
DIELDRIN													.1 UG/L		U
ENDOSULFAN II													.1 UG/L		U
ENDOSULFAN SULFATE													.1 UG/L		U
ENDOSULFAN-I													.051 UG/L		U
ENDRIN													.1 UG/L		U
ENDRIN ALDEHYDE													.1 UG/L		U
ENDRIN KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.051 UG/L		U

SAMPLE NUMBER:	038388			GW930727-7			GW930727-7			GW930727-7			GW930727-7		
LAB:	WEMCO			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
GAMMA-CHLORDANE													.051 UG/L		U
HEPTACHLOR													.051 UG/L		U
HEPTACHLOR EPOXIDE													.051 UG/L		U
METHOXYCHLOR													.51 UG/L		U
TOXAPHENE													5.1 UG/L		UJ
RADIONUCLIDES															
URANIUM-238				.8 PCI/L	1.6	J									
URANIUM, TOTAL	1.3 UG/L		NV	3.5 UG/L	.2	-	2.6 UG/L		NV						
URANIUM-234				1 PCI/L	1.7	J									
THORIUM-230				.4 PCI/L	.2	J									
RADIUM-226				1 PCI/L	.3	U									
URANIUM-235/236				.2 PCI/L	.1	U									
THORIUM-232				.2 PCI/L	.1	U									
RADIUM-228				3 PCI/L	1.5	U									
THORIUM-228				.2 PCI/L	.2	UJ									
PLUTONIUM-239/240				.5 PCI/L	.9	UNV									
PLUTONIUM-238				.5 PCI/L	1.7	UNV									
STRONTIUM-90				1 PCI/L	.3	U									
TECHNETIUM-99				15 PCI/L	8.5	U									
CESIUM-137				4 PCI/L	1	UNV									
GROSS ALPHA				5.9 PCI/L	3.1	UJ									
GROSS BETA				6.5 PCI/L	3.8	UJ									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													25 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U
2,4-DINITROPHENOL													25 UG/L		U
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U

SAMPLE NUMBER:	038388			GW930727-7			GW930727-7			GW930727-7			GW930727-7		
LAB:	WEMCO			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-NITROANILINE													25 UG/L		U
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													10 UG/L		U
3-NITROANILINE													25 UG/L		U
4,6-DINITRO-2-METHYLPHENOL													25 UG/L		U
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													25 UG/L		U
4-NITROPHENOL													25 UG/L		UJ
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		U
BUTYL BENZYL PHTHALATE													10 UG/L		UJ
CARBAZOLE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													53 UG/L		-
DI-N-OCTYL PHTHALATE													10 UG/L		U
DIBENZO(A,H)ANTHRACENE													10 UG/L		U
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		U
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		U
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		U
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U

SAMPLE NUMBER:	038388			GW930727-7			GW930727-7			GW930727-7			GW930727-7		
LAB:	WEMCO			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													25 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL													10 UG/L		U
PYRENE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		U
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		UJ
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		UR
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U

SAMPLE NUMBER:	038388			GW930727-7			GW930727-7			GW930727-7			GW930727-7		
LAB:	WEMCO			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
VINYL CHLORIDE													10 UG/L		UJ
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	038307	038307	038307	038308	038342
TASK:	50.03.08	50.03.08	50.03.08	50.03.08	50.03.08
LAB:	IT	IT-KNOX	IT-KNOX	WEMCO	DATACHEM
WELL OR BORING NUMBER:	2420	2420	2420	2420	2420
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-FEB-92	04-FEB-92	04-FEB-92	04-FEB-92	09-APR-92
NORTH COORDINATE:	480457.16	480457.16	480457.16	480457.16	480457.16
EAST COORDINATE:	1382619.75	1382619.75	1382619.75	1382619.75	1382619.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U						
CHLORIDE							21.6 MG/L		-						
FLUORIDE							.19 MG/L		-						
NITRATE							.1 MG/L		U						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.35 MG/L		-						
SULFATE							112 MG/L		UJ						
SULFIDE							.5 MG/L		U						
TOTAL ORGANIC CARBON							1.64 MG/L		-						
TOTAL ORGANIC HALIDES							.013 MG/L		U						
TOTAL ORGANIC NITROGEN							.1 MG/L		U				1 MG/L		UJ
INORGANICS															
ALUMINUM				.123 MG/L		-							.0326 MG/L		J
ARSENIC				.002 MG/L		U							.0011 MG/L		-
BARIUM				.0728 MG/L		-							.0693 MG/L		-
CADMIUM				.0047 MG/L		J							.0056 MG/L		UJ
CALCIUM				108 MG/L		-							107 MG/L		-
CHROMIUM				.031 MG/L		-							.0044 MG/L		U
COPPER				.01 MG/L		U							.0078 MG/L		U
IRON				2.5 MG/L		J							2.61 MG/L		-
LEAD				.002 MG/L		U							.0011 MG/L		UR
MAGNESIUM				28.8 MG/L		-							27 MG/L		-
MANGANESE				.217 MG/L		-							.184 MG/L		-
MERCURY				.0002 MG/L		U							.0002 MG/L		U
MOLYBDENUM				.01 MG/L		U							.0033 MG/L		UJ

SAMPLE NUMBER:	038307			038307			038307			038308			038342		
LAB:	IT			IT-KNOX			IT-KNOX			WEMCO			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.02 MG/L		U							.0444 MG/L		U
POTASSIUM				2.47 MG/L		-							1.9 MG/L		-
SELENIUM				.003 MG/L		U							.0019 MG/L		U
SILICON				3.66 MG/L		J							5.02 MG/L		-
SILVER				.0271 MG/L		-							.0044 MG/L		UJ
SODIUM				10.9 MG/L		-							11.2 MG/L		-
VANADIUM				.0162 MG/L		-							.0067 MG/L		U
RADIONUCLIDES															
URANIUM-238	2.56 PCI/L	.72	-										.2 PCI/L	.11	UNV
URANIUM, TOTAL	5.65 UG/L	.84	-							9.7 UG/L		NV	.319 UG/L	.1	NV
URANIUM-234	1.49 PCI/L	.53	-										.25 PCI/L	.15	NV
THORIUM-230	1 PCI/L		U										.32 PCI/L	.18	NV
URANIUM-235/236	1 PCI/L		U										.2 PCI/L	.07	UNV
THORIUM-232	1 PCI/L		U										.2 PCI/L	.09	UNV
THORIUM, TOTAL	4.1 UG/L		U										.5 UG/L	.16	UNV
RADIUM-228	3 PCI/L		UJ												
THORIUM-228	2.04 PCI/L	.8	J										.68 PCI/L	.54	NV
PLUTONIUM-239/240	1 PCI/L		U										.5 PCI/L	.19	UNV
PLUTONIUM-238	1 PCI/L		U										1.12 PCI/L	.39	NV
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	30 PCI/L		U												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA	8.9 PCI/L		UNV										2.1 PCI/L	3.21	NV
GROSS BETA	5.2 PCI/L		UNV										19.12 PCI/L	5.83	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	038342			038344			120061-2			120061-2			120061-2		
TASK:	50.03.08			50.03.08			50.03.23			50.03.23			50.03.23		
LAB:	DATACHEM			WEMCO			CORE			CORE			FERMCO		
WELL OR BORING NUMBER:	2420			2420			2420			2420			2420		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	09-APR-92			09-APR-92			15-JUL-93			15-JUL-93			15-JUL-93		
NORTH COORDINATE:	480457.16			480457.16			480457.16			480457.16			480457.16		
EAST COORDINATE:	1382619.75			1382619.75			1382619.75			1382619.75			1382619.75		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.05 MG/L		J												
CHLORIDE	20 MG/L		J												
FLUORIDE	.2 MG/L		J												
NITRATE	.1 MG/L		UJ												
PHENOLS	.01 MG/L		R												
PHOSPHORUS	.05 MG/L		J												
SULFATE	110 MG/L		-												
SULFIDE	.5 MG/L		-												
TOTAL ORGANIC CARBON	1 MG/L		-												
TOTAL ORGANIC HALIDES	.01 MG/L		-												
RADIONUCLIDES															
URANIUM-238							.2 PCI/L	.2	R	.2 PCI/L	.7	UJ			
URANIUM, TOTAL				.3 UG/L		NV	.4 UG/L	.1	-	.5 UG/L	.1	-	700 UG/L		NV
URANIUM-234							.2 PCI/L	.2	R	.3 PCI/L	.5	J			
THORIUM-230							.3 PCI/L	.4	UJ	.3 PCI/L	.2	R			
RADIUM-226							1 PCI/L	.3	UJ	1 PCI/L	.3	UJ			
URANIUM-235/236							.1 PCI/L	.5	R	.2 PCI/L	.1	UJ			
THORIUM-232							.2 PCI/L	.4	UJ	.1 PCI/L	.1	R			
RADIUM-228							3 PCI/L	1	U	3 PCI/L	2.2	U			
THORIUM-228							.2 PCI/L	1.1	UJ	.1 PCI/L	.5	R			
GROSS ALPHA							8.5 PCI/L	5.4	NV	5.1 PCI/L	2.4	NV			
GROSS BETA							7.4 PCI/L	7.2	NV	10.7 PCI/L	6.2	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120061-2	120061	120061	120061	120061
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	FERMCO	CORE	CORE	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	2420	2420	2420	2420	2420
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-JUL-93	15-JUL-93	15-JUL-93	15-JUL-93	15-JUL-93
NORTH COORDINATE:	480457.16	480457.16	480457.16	480457.16	480457.16
EAST COORDINATE:	1382619.75	1382619.75	1382619.75	1382619.75	1382619.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													290 MG/L		-
AMMONIA													.05 MG/L		U
BICARBONATE ALKALINITY													360 MG/L		-
CARBONATE ALKALINITY													1 MG/L		U
CHLORIDE													19 MG/L		-
FLUORIDE													.2 MG/L		-
NITRATE													.05 MG/L		U
PH													7.4 SU		-
PHENOLS													.002 MG/L		U
PHOSPHORUS													.06 MG/L		-
SPECIFIC CONDUCTIVITY													1200 UMHOS/CM		-
SULFATE													360 MG/L		-
TOTAL DISSOLVED SOLIDS													920 MG/L		-
TOTAL KJELDAHL NITROGEN													.2 MG/L		-
TOTAL ORGANIC CARBON													1 MG/L		U
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC NITROGEN													.2 MG/L		-
TOTAL SOLIDS													1000 MG/L		-
INORGANICS															
ALUMINUM										.06 MG/L		U	.06 MG/L		U
ANTIMONY										.0157 MG/L		U	.0157 MG/L		U
ARSENIC										.0011 MG/L		-	.001 MG/L		-
BARIUM										.103 MG/L		-	.105 MG/L		-
BERYLLIUM										.0003 MG/L		U	.0003 MG/L		U
CADMIUM										.0333 MG/L		-	.0459 MG/L		-

SAMPLE NUMBER:	120061-2			120061			120061			120061			120061		
LAB:	FERMCO			CORE			CORE			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM										223 MG/L		-	226 MG/L		-
CHROMIUM										.0031 MG/L		U	.0038 MG/L		U
COBALT										.0034 MG/L		U	.0034 MG/L		U
COPPER										.0027 MG/L		U	.0045 MG/L		U
CYANIDE										.01 MG/L		U	.01 MG/L		U
IRON										5.02 MG/L		-	5.85 MG/L		-
LEAD										.001 MG/L		UJ	.001 MG/L		UJ
MAGNESIUM										39.8 MG/L		-	40.1 MG/L		-
MANGANESE										.486 MG/L		-	.491 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.007 MG/L		U	.007 MG/L		U
POTASSIUM										2.59 MG/L		-	2.64 MG/L		-
SELENIUM										.002 MG/L		UJ	.002 MG/L		UJ
SILVER										.0029 MG/L		UJ	.0029 MG/L		UJ
SODIUM										11.1 MG/L		-	11.2 MG/L		-
THALLIUM										.001 MG/L		UJ	.001 MG/L		UJ
VANADIUM										.0029 MG/L		U	.0029 MG/L		U
ZINC										.0265 MG/L		-	.034 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	700 UG/L		NV												
GROSS ALPHA				8.5 PCI/L	2.7	NV	5.1 PCI/L	2.4	NV						
GROSS BETA				7.4 PCI/L	3.6	NV	10.7 PCI/L	3.1	NV						
VOLATILES															
1,1,1-TRICHLOROETHANE													10 UG/L		U
1,1,2,2-TETRACHLOROETHANE													10 UG/L		U
1,1,2-TRICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHANE													10 UG/L		U
1,1-DICHLOROETHENE													10 UG/L		U
1,2-DICHLOROETHANE													10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)													10 UG/L		UJ
1,2-DICHLOROPROPANE													10 UG/L		U
2-BUTANONE													10 UG/L		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		U
ACETONE													10 UG/L		U
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U

SAMPLE NUMBER:	120061-2			120061			120061			120061			120061		
LAB:	FERMCO			CORE			CORE			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U
CHLOROETHANE													10 UG/L		U
CHLOROFORM													10 UG/L		U
CHLOROMETHANE													10 UG/L		U
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													10 UG/L		U
STYRENE													10 UG/L		U
TETRACHLOROETHENE													10 UG/L		U
TOLUENE													10 UG/L		U
TRANS-1,3-DICHLOROPROPENE													10 UG/L		U
TRICHLOROETHENE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930406-6	GW930406-6	GW930406-6	GW930406-6	GW930406-6
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	CORE	FERMCO	FERMCO	LOCKHEED
WELL OR BORING NUMBER:	2421	2421	2421	2421	2421
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-APR-93	06-APR-93	06-APR-93	06-APR-93	06-APR-93
NORTH COORDINATE:	481651.85	481651.85	481651.85	481651.85	481651.85
EAST COORDINATE:	1382074.36	1382074.36	1382074.36	1382074.36	1382074.36
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
TOTAL DISSOLVED SOLIDS													470 MG/L		-
INORGANICS															
ALUMINUM													.036 MG/L		U
ANTIMONY													.031 MG/L		U
ARSENIC													.01 MG/L		-
BARIUM													.076 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM													.0022 MG/L		-
CALCIUM													126 MG/L		J
CHROMIUM													.003 MG/L		U
COBALT													.008 MG/L		U
COPPER													.004 MG/L		U
CYANIDE													.02 MG/L		U
IRON													2.67 MG/L		-
LEAD													.001 MG/L		U
MAGNESIUM													29.1 MG/L		-
MANGANESE													.227 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.015 MG/L		U
NICKEL													.031 MG/L		U
POTASSIUM													2.68 MG/L		-
SELENIUM													.001 MG/L		UJ
SILVER													.003 MG/L		U
SODIUM													13.6 MG/L		-
THALLIUM													.002 MG/L		UJ

SAMPLE NUMBER:	GW930406-6			GW930406-6			GW930406-6			GW930406-6			GW930406-6		
LAB:	CORE			CORE			FERMCO			FERMCO			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
VANADIUM													.007 MG/L		U
ZINC													.0039 MG/L		-
RADIONUCLIDES															
URANIUM-238	.4 PCI/L	.3	J	.8 PCI/L	.4	J									
URANIUM, TOTAL	.6 UG/L	.1	-	.4 UG/L	.1	-	.5 UG/L		NV	.6 UG/L		NV			
URANIUM-234	.6 PCI/L	.3	UJ	.9 PCI/L	.4	J									
THORIUM-230	.2 PCI/L	.3	UJ	.4 PCI/L	.1	UJ									
RADIUM-226	1 PCI/L	.2	U	1 PCI/L	.3	UJ									
URANIUM-235/236	.2 PCI/L	.5	UJ	.2 PCI/L	.3	UJ									
THORIUM-232	.2 PCI/L	.3	UJ	.3 PCI/L	.1	UJ									
THORIUM, TOTAL	.91202212 PCI/B		NV												
RADIUM-228	3 PCI/L	1.1	U	3 PCI/L	.9	UJ									
THORIUM-228	.2 PCI/L	.6	UJ	.3 PCI/L	.1	UJ									
GROSS ALPHA	2.4 PCI/L	1.4	UNV	3.9 PCI/L	1.2	NV									
GROSS BETA	4.3 PCI/L	1.5	NV	3.3 PCI/L	1.9	UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930406-6	GW930112-2	GW930112-2	GW930112-2	GW930112-2
TASK:	50.03.23	RCRA	RCRA	RCRA	RCRA
LAB:	LOCKHEED	CORE	FERMCO Laboratory	NET	NET
WELL OR BORING NUMBER:	2421	2421	2421	2421	2421
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-APR-93	12-JAN-93	12-JAN-93	12-JAN-93	12-JAN-93
NORTH COORDINATE:	481651.85	481651.85	481651.85	481651.85	481651.85
EAST COORDINATE:	1382074.36	1382074.36	1382074.36	1382074.36	1382074.36
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	280 MG/L		-										240 MG/L		NV
ALLYL CHLORIDE													5 UG/L		UNV
AMMONIA	.052 MG/L		-										.03 MG/L		NV
BICARBONATE ALKALINITY	280 MG/L		-										311 MG/L		NV
CARBONATE ALKALINITY	30 MG/L		U										3 MG/L		UNV
CHLORIDE	26 MG/L		-										26 MG/L		NV
FLUORIDE	.15 MG/L		U										.05 MG/L		NV
NITRATE	.05 MG/L		U										.02 MG/L		NV
NITRATE/NITRITE	.05 MG/L		U												
NITRITE, AS NITROGEN													.02 MG/L		UNV
PH	7.4 SU		-										7.26 SU		NV
PHENOLS	.15 MG/L		U										.01 MG/L		UNV
PHOSPHORUS	.03 MG/L		U										.01 MG/L		NV
SPECIFIC CONDUCTIVITY	670 UMHOS/CM		-										821 UMHOS/CM		NV
SULFATE	110 MG/L		-										153 MG/L		NV
TOTAL DISSOLVED SOLIDS										452 MG/L		NV			
TOTAL ORGANIC CARBON	1.3 MG/L		-										10 MG/L		NV
TOTAL ORGANIC HALIDES	.045 MG/L		U										.01 MG/L		UNV
TOTAL ORGANIC NITROGEN	-.052 MG/L		U												
TOTAL SOLIDS	490 MG/L		-										550 MG/L		NV
INORGANICS															
ALUMINUM	.131 MG/L		-							.2 MG/L		UNV	.2 MG/L		UNV
ANTIMONY	.031 MG/L		UJ							.02 MG/L		NV	.02 MG/L		NV
ARSENIC	.002 MG/L		U							.005 MG/L		UNV	.005 MG/L		UNV
BARIUM	.076 MG/L		-							.2 MG/L		UNV	.2 MG/L		UNV

SAMPLE NUMBER:	GW930406-6			GW930112-2			GW930112-2			GW930112-2			GW930112-2		
LAB:	LOCKHEED			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM	.001 MG/L		U							.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM	.002 MG/L		U							.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	123 MG/L		-							131 MG/L		NV	118 MG/L		NV
CHROMIUM	.0056 MG/L		J							.002 MG/L		UNV	.002 MG/L		UNV
COBALT	.008 MG/L		U							.005 MG/L		UNV	.005 MG/L		UNV
COPPER	.0041 MG/L		U							.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE	.02 MG/L		U										.005 MG/L		UNV
IRON	3.1 MG/L		-							2.35 MG/L		NV	2.57 MG/L		NV
LEAD	.001 MG/L		U							.003 MG/L		UNV	.003 MG/L		UNV
MAGNESIUM	29.1 MG/L		-							28.8 MG/L		NV	28.3 MG/L		NV
MANGANESE	.225 MG/L		-							.223 MG/L		NV	.222 MG/L		NV
MERCURY	.0002 MG/L		U							.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.015 MG/L		U							.01 MG/L		UNV	.01 MG/L		UNV
NICKEL	.031 MG/L		U							.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM	2.39 MG/L		-										2.7 MG/L		NV
SELENIUM	.0021 MG/L		U							.005 MG/L		UNV	.005 MG/L		UNV
SILVER	.003 MG/L		U							.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	12.7 MG/L		-										12 MG/L		NV
THALLIUM	.002 MG/L		UJ							.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.007 MG/L		U							.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.0094 MG/L		U							.02 MG/L		UNV	.02 MG/L		UNV
MISC															
1,2,3-TRICHLOROPROPANE													5 UG/L		UNV
1,2-DIBROMO-3-CHLOROPROPANE													2 UG/L		UNV
1,2-DIBROMOETHANE													2 UG/L		UNV
2-CHLORO-1,3-BUTADIENE													5 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACROLEIN													50 UG/L		UNV
ACRYLONITRILE													50 UG/L		UNV
DICHLORODIFLUOROMETHANE													10 UG/L		UNV
ETHYL CYANIDE													20 UG/L		UNV
ETHYL METHACRYLATE													5 UG/L		UNV
IODOMETHANE													5 UG/L		UNV
METHACRYLONITRILE													5 UG/L		UNV
METHYL METHACRYLATE													5 UG/L		UNV
PENTACHLOROETHANE													5 UG/L		UNV
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
TRANS-1,4-DICHLORO-2-BUTENE													20 UG/L		UNV

SAMPLE NUMBER:	GW930406-6			GW930112-2			GW930112-2			GW930112-2			GW930112-2		
LAB:	LOCKHEED			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL				3.8 UG/L		NV	.3 UG/L		NV						
THORIUM-230				.4 PCI/L	.2	NV									
RADIUM-226				1 PCI/L	.4	UNV									
THORIUM-232				.2 PCI/L	.1	UNV									
THORIUM, TOTAL				.8 UG/L		NV									
RADIUM-228				3 PCI/L	1.2	UNV									
THORIUM-228				.2 PCI/L	.1	UNV									
GROSS ALPHA				2.4 PCI/L	1.9	NV									
GROSS BETA				.3 PCI/L	2.3	UNV									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
CUMENE													1 UG/L		UNV
VOLATILES															
1,1,1,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,1-TRICHLOROETHANE	10 UG/L		UJ										1 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE	10 UG/L		UJ										1 UG/L		UNV
1,1,2-TRICHLOROETHANE	10 UG/L		UJ										1 UG/L		UNV
1,1-DICHLOROETHANE	10 UG/L		UJ										1 UG/L		UNV
1,1-DICHLOROETHENE	10 UG/L		UJ										1 UG/L		UNV
1,2-DICHLOROETHANE	10 UG/L		UJ										1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		UJ												
1,2-DICHLOROPROPANE	10 UG/L		UJ										1 UG/L		UNV
2-BUTANONE	10 UG/L		UJ										10 UG/L		UNV
2-HEXANONE	10 UG/L		UJ										10 UG/L		UNV
4-METHYL-2-PENTANONE	10 UG/L		UJ										10 UG/L		UNV
ACETONE	10 UG/L		UJ										10 UG/L		UNV
BENZENE	10 UG/L		UJ										1 UG/L		UNV
BROMODICHLOROMETHANE	10 UG/L		UJ										1 UG/L		UNV
BROMOFORM	10 UG/L		UJ										1 UG/L		UNV
BROMOMETHANE	10 UG/L		UJ										5 UG/L		UNV
CARBON DISULFIDE	10 UG/L		UJ										1 UG/L		UNV
CARBON TETRACHLORIDE	10 UG/L		UJ										1 UG/L		UNV
CHLOROBENZENE	10 UG/L		UJ										1 UG/L		UNV
CHLOROETHANE	10 UG/L		UJ										10 UG/L		UNV
CHLOROFORM	10 UG/L		UJ										1 UG/L		UNV
CHLOROMETHANE	10 UG/L		UJ										10 UG/L		UNV
CIS-1,3-DICHLOROPROPENE	10 UG/L		UJ										1 UG/L		UNV
DIBROMOCHLOROMETHANE	10 UG/L		UJ										1 UG/L		UNV

SAMPLE NUMBER:	GW930406-6			GW930112-2			GW930112-2			GW930112-2			GW930112-2		
LAB:	LOCKHEED			CORE			FERMCO Laboratory			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ETHYLBENZENE	10 UG/L		UJ										1 UG/L		UNV
METHYLENE CHLORIDE	10 UG/L		UJ										10 UG/L		UNV
STYRENE	10 UG/L		UJ										1 UG/L		UNV
TETRACHLOROETHENE	10 UG/L		UJ										1 UG/L		UNV
TOLUENE	10 UG/L		UJ										1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE	10 UG/L		UJ										1 UG/L		UNV
TRICHLOROETHENE	10 UG/L		UJ										1 UG/L		UNV
TRICHLOROFLUOROMETHANE													1 UG/L		UNV
VINYL ACETATE													10 UG/L		UNV
VINYL CHLORIDE	10 UG/L		UJ										5 UG/L		UNV
XYLENES, TOTAL	10 UG/L		UJ										1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068483	068483	068484	038366	038366
TASK:	3.11	3.11	3.11	50.03.08	50.03.08
LAB:	IT	IT	WEMCO	IT	IT
WELL OR BORING NUMBER:	2421	2421	2421	2421	2421
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-DEC-91	21-DEC-91	21-DEC-91	26-FEB-92	26-FEB-92
NORTH COORDINATE:	481651.85	481651.85	481651.85	481651.85	481651.85
EAST COORDINATE:	1382074.36	1382074.36	1382074.36	1382074.36	1382074.36
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		U							.1 MG/L		U
CHLORIDE				26.1 MG/L		-							27.5 MG/L		-
FLUORIDE				.2 MG/L		J							.23 MG/L		-
NITRATE				.1 MG/L		U							.1 MG/L		U
PHENOLS				.01 MG/L		U							.01 MG/L		U
PHOSPHORUS				.96 MG/L		-							.05 MG/L		-
SULFATE				128 MG/L		-							159 MG/L		-
SULFIDE				.5 MG/L		U							.5 MG/L		UJ
TOTAL ORGANIC CARBON				2.004 MG/L		-							.001 MG/L		U
TOTAL ORGANIC HALIDES				10.5 MG/L		U							.0175 MG/L		-
TOTAL ORGANIC NITROGEN				.426 MG/L		-							.1 MG/L		U
INORGANICS															
ALUMINUM	.138 MG/L		-							.121 MG/L		-			
ARSENIC	.002 MG/L		U							.002 MG/L		U			
BARIUM	.0725 MG/L		-							.079 MG/L		-			
CADMIUM	.0051 MG/L		-							.0041 MG/L		-			
CALCIUM	113 MG/L		-							121 MG/L		-			
CHROMIUM	.036 MG/L		-							.0355 MG/L		-			
COBALT										.01 MG/L		U			
COPPER	.0143 MG/L		-							.0106 MG/L		-			
IRON	1.45 MG/L		-							2.82 MG/L		-			
LEAD	.002 MG/L		U							.002 MG/L		U			
MAGNESIUM	28.9 MG/L		-							30.3 MG/L		-			
MANGANESE	.214 MG/L		-							.241 MG/L		-			
MERCURY	.0002 MG/L		U							.0002 MG/L		U			

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SAMPLE NUMBER:	068483			068483			068484			038366			038366		
LAB:	IT			IT			WEMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM	.0107 MG/L		-							.01 MG/L		U			
NICKEL	.02 MG/L		U							.02 MG/L		U			
POTASSIUM	2.37 MG/L		-							2.42 MG/L		-			
SELENIUM	.002 MG/L		U							.003 MG/L		U			
SILICON	5.58 MG/L		-							5.77 MG/L		-			
SILVER	.0291 MG/L		-							.0287 MG/L		-			
SODIUM	11.6 MG/L		-							12.2 MG/L		-			
VANADIUM	.0172 MG/L		-							.0185 MG/L		-			
RADIONUCLIDES															
URANIUM-238	1.04 PCI/L	.61	-										1 PCI/L		U
URANIUM, TOTAL	1 UG/L		U				.9 UG/L		NV	1 UG/L		U			
URANIUM-234	1.93 PCI/L	1.03	-										1.11 PCI/L	.8	-
THORIUM-230	3.56 PCI/L	1.06	-										1 PCI/L		U
RADIUM-226	1 PCI/L		UJ										1 PCI/L		U
URANIUM-235/236	1.3 PCI/L		U										1.11 PCI/L	.8	J
THORIUM-232	1 PCI/L		U										1 PCI/L		U
THORIUM, TOTAL	1.7 UG/L		U										1.8 UG/L		U
RADIUM-228	3 PCI/L		UJ										3 PCI/L		U
THORIUM-228	5.46 PCI/L	1.38	-										1 PCI/L		UJ
NEPTUNIUM-237	1 PCI/L		UJ										1 PCI/L		R
PLUTONIUM-239/240	1 PCI/L		U										1 PCI/L		UJ
PLUTONIUM-238	1 PCI/L		U										1 PCI/L		UJ
STRONTIUM-90	5 PCI/L		U										5 PCI/L		U
TECHNETIUM-99	30 PCI/L		UJ										30 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		UJ										150 PCI/L		UJ
CESIUM-137	20 PCI/L		UJ										20 PCI/L		UJ
GROSS ALPHA	13.4 PCI/L	6.8	NV										4.87 PCI/L	3.48	NV
GROSS BETA	5.15 PCI/L	3.12	NV										4.62 PCI/L	2.91	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	038325	038325	038325	038326	038274
TASK:	50.03.08	50.03.08	50.03.08	50.03.08	50.03.08
LAB:	DATACHEM	IT	IT	WEMCO	IT
WELL OR BORING NUMBER:	2423	2423	2423	2423	2423
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-MAR-92	17-MAR-92	17-MAR-92	17-MAR-92	20-MAY-92
NORTH COORDINATE:	482556.52	482556.52	482556.52	482556.52	482556.52
EAST COORDINATE:	1381770.68	1381770.68	1381770.68	1381770.68	1381770.68
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN							1.1 NG/L		UJ				.67 NG/L		U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN							1 NG/L		U				4.8 NG/L		U
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN							1.4 NG/L		U				.74 NG/L		U
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN							.9 NG/L		U				.92 NG/L		U
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN							1.2 NG/L		U				.25 NG/L		U
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN							.72 NG/L		U				.87 NG/L		U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN							1.1 NG/L		U				.23 NG/L		U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN							.75 NG/L		UNV				.8 NG/L		U
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN							1.4 NG/L		U				2.3 NG/L		U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN							2.3 NG/L		UJ				.7 NG/L		U
1,2,3,7,8-PENTACHLORODIBENZOFURAN							1.7 NG/L		U				.46 NG/L		U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN							1.3 NG/L		U				1.2 NG/L		U
2,3,4,7,8-PENTACHLORODIBENZOFURAN							1.9 NG/L		U				.44 NG/L		U
2,3,7,8-TETRACHLORODIBENZO-							.24 NG/L		UNV				.89 NG/L		

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	038325			038325			038325			038326			038274		
LAB:	DATACHEM			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
DIOXINS/FURANS															
2,3,7,8-TETRACHLORODIBENZOFURAN							.24 NG/L		U				1.4 NG/L		U
HEPTACHLORODIBENZO-P-DIOXINS							1.1 NG/L		UJ				.67 NG/L		U
HEPTACHLORODIBENZOFURANS							1.2 NG/L		U				5.3 NG/L		U
HEXACHLORODIBENZO-P-DIOXINS							.78 NG/L		U				3.5 NG/L		U
HEXACHLORODIBENZOFURANS							1.3 NG/L		U				2 NG/L		U
OCTACHLORODIBENZO-P-DIOXIN							.82 NG/L		UJ				.58 NG/L		U
OCTACHLORODIBENZOFURAN							.84 NG/L		U				.31 NG/L		UJ
PENTACHLORODIBENZO-P-DIOXINS							2.3 NG/L		UJ				2.1 NG/L		U
PENTACHLORODIBENZOFURANS							1.8 NG/L		U				1.3 NG/L		U
TETRACHLORODIBENZO-P-DIOXINS							.72 NG/L		U				.36 NG/L		U
TETRACHLORODIBENZOFURANS							.66 NG/L		UNV				.55 NG/L		U
GENERAL CHEMISTRY															
AMMONIA							.41 MG/L		NV						
CHLORIDE							18.4 MG/L		NV						
FLUORIDE							.27 MG/L		NV						
NITRATE/NITRITE							.1 MG/L		UNV						
PHENOLS							.032 MG/L		NV						
PHOSPHORUS							.06 MG/L		NV						
SULFATE							107 MG/L		NV						
SULFIDE							.5 MG/L		UNV						
TOTAL ORGANIC CARBON							1.14 MG/L		NV						
TOTAL ORGANIC HALIDES							.014 MG/L		NV						
TOTAL ORGANIC NITROGEN							.1 MG/L		UNV						
INORGANICS															
ALUMINUM				.124 MG/L		-									
ANTIMONY				.03 MG/L		UJ									
ARSENIC				.002 MG/L		U									
BARIUM				.0942 MG/L		-									
BERYLLIUM				.002 MG/L		U									
CADMIUM				.0049 MG/L		-									
CALCIUM				114 MG/L		J									
CHROMIUM				.0317 MG/L		-									
COBALT				.01 MG/L		U									

SAMPLE NUMBER:	038325			038325			038325			038326			038274		
LAB:	DATACHEM			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COPPER				.01 MG/L		U									
IRON				3.07 MG/L		J									
LEAD				.002 MG/L		U									
MAGNESIUM				31.4 MG/L		J									
MANGANESE				.196 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.01 MG/L		U									
NICKEL				.02 MG/L		U									
POTASSIUM				1.2 MG/L		-									
SELENIUM				.003 MG/L		U									
SILICON				6.58 MG/L		J									
SILVER				.0287 MG/L		-									
SODIUM				12 MG/L		J									
THALLIUM				.002 MG/L		UJ									
VANADIUM				.0159 MG/L		-									
ZINC				.0055 MG/L		-									
MISC															
TETRAETHYLPYROPHOSPHATE	.05 UG/L		U												
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL	.5 UG/L		UJ												
DEMETON	.1 UG/L		U												
DIAZINON	.05 UG/L		U												
DISULFOTON	.05 UG/L		U												
ETHION	.05 UG/L		U												
MALATHION	.05 UG/L		U												
METHYL PARATHION	.05 UG/L		U												
PARATHION	.05 UG/L		UJ												
PESTICIDES															
4,4'-DDD							.1 UG/L		U						
4,4'-DDE							.1 UG/L		U						
4,4'-DDT							.1 UG/L		U						
ALDRIN							.05 UG/L		U						
ALPHA-BHC							.05 UG/L		U						
ALPHA-CHLORDANE							.5 UG/L		U						
AROCLOR-1016							.5 UG/L		U						
AROCLOR-1221							.5 UG/L		U						

SAMPLE NUMBER:	038325			038325			038325			038326			038274		
LAB:	DATACHEM			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
AROCLOR-1232							.5 UG/L		U						
AROCLOR-1242							.5 UG/L		U						
AROCLOR-1248							.5 UG/L		U						
AROCLOR-1254							1 UG/L		U						
AROCLOR-1260							1 UG/L		U						
BETA-BHC							.05 UG/L		U						
DELTA-BHC							.05 UG/L		U						
DIELDRIN							.1 UG/L		U						
ENDOSULFAN II							.1 UG/L		U						
ENDOSULFAN SULFATE							.1 UG/L		U						
ENDOSULFAN-I							.05 UG/L		U						
ENDRIN							.1 UG/L		U						
ENDRIN KETONE							.1 UG/L		U						
GAMMA-BHC (LINDANE)							.05 UG/L		U						
GAMMA-CHLORDANE							.5 UG/L		U						
HEPTACHLOR							.05 UG/L		U				.67 NG/L		U
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							1 UG/L		U						
RADIONUCLIDES															
URANIUM-238				.641 PCI/L	.313	U									
URANIUM, TOTAL				1 UG/L	.036	U				.4 UG/L		NV			
URANIUM-234				.255 PCI/L	.202	UJ									
THORIUM-230				.82 PCI/L	.31	J									
RADIUM-226				1 PCI/L	.2264	UJ									
URANIUM-235/236				.3 PCI/L	.224	J									
THORIUM-232				.2 PCI/L	.132	UJ									
THORIUM, TOTAL				1.72 UG/L	1.19	UJ									
RADIUM-228				3 PCI/L	1.33	UJ									
THORIUM-228				1.14 PCI/L	.37	J									
NEPTUNIUM-237				.5 PCI/L	.188	UJ									
PLUTONIUM-239/240				.5 PCI/L	.168	UJ									
PLUTONIUM-238				.5 PCI/L	.0816	U									
STRONTIUM-90				1 PCI/L	.528	UJ									
TECHNETIUM-99				15 PCI/L	11.09	UJ									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		U									
GROSS ALPHA				-1.79 PCI/L	2.08	UNV									
GROSS BETA				1.42 PCI/L	3.26	UNV									

SEMIVOLATILES

1,2,4-TRICHLOROBENZENE 10 UG/L U
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	038325	038325	038325	038326	038274
LAB:	DATACHEM	IT	IT	WEMCO	IT
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
1,2-DICHLOROBENZENE							10 UG/L		U						
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							50 UG/L		U						
2,4,6-TRICHLOROPHENOL							10 UG/L		U						
2,4-DICHLOROPHENOL							10 UG/L		U						
2,4-DIMETHYLPHENOL							10 UG/L		U						
2,4-DINITROPHENOL							50 UG/L		UJ						
2,4-DINITROTOLUENE							10 UG/L		U						
2,6-DINITROTOLUENE							10 UG/L		U						
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		U						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		U						
2-NITROANILINE							50 UG/L		U						
2-NITROPHENOL							10 UG/L		U						
3,3'-DICHLOROBENZIDINE							20 UG/L		U						
3-NITROANILINE							50 UG/L		U						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		U						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		U						
4-NITROANILINE							50 UG/L		U						
4-NITROPHENOL							50 UG/L		U						
ACENAPHTHENE							10 UG/L		U						
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		U						
BENZO(B)FLUORANTHENE							10 UG/L		U						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZOIC ACID							50 UG/L		U						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL)							10 UG/L		U						

SAMPLE NUMBER:	038325			038325			038325			038326			038274		
LAB:	DATACHEM			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
CARBAZOLE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						
DI-N-OCTYL PHTHALATE							10 UG/L		U						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		UJ						
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		U						
NITROBENZENE							10 UG/L		U						
P-CHLOROANILINE							10 UG/L		U						
PENTACHLOROPHENOL							50 UG/L		U						
PHENANTHRENE							10 UG/L		U						
PHENOL							10 UG/L		U						
PYRENE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHENE							5 UG/L		U						
1,2-DICHLOROETHANE							5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							5 UG/L		U						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							10 UG/L		UJ						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						

SAMPLE NUMBER:	038325			038325			038325			038326			038274		
LAB:	DATACHEM			IT			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
ACETONE							10 UG/L		UJ						
BENZENE							5 UG/L		U						
BROMODICHLOROMETHANE							5 UG/L		U						
BROMOFORM							5 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							5 UG/L		U						
CARBON TETRACHLORIDE							5 UG/L		U						
CHLOROBENZENE							5 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							5 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							5 UG/L		U						
DIBROMOCHLOROMETHANE							5 UG/L		U						
ETHYLBENZENE							5 UG/L		U						
METHYLENE CHLORIDE							6 UG/L		U						
STYRENE							5 UG/L		U						
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		UJ						
TRICHLOROETHENE							5 UG/L		U						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	038275	038275	038275	120038	120038
TASK:	50.03.08	50.03.08	50.03.08	50.03.23	50.03.23
LAB:	DATACHEM	DATACHEM	DATACHEM	CORE	CORE
WELL OR BORING NUMBER:	2423	2423	2423	2423	2423
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-MAY-92	20-MAY-92	20-MAY-92	30-JUN-93	30-JUN-93
NORTH COORDINATE:	482556.52	482556.52	482556.52	482556.52	482556.52
EAST COORDINATE:	1381770.68	1381770.68	1381770.68	1381770.68	1381770.68
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	RE-UNF	NONE-UNK	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.51 MG/L		-												
CHLORIDE	21 MG/L		-												
FLUORIDE	.3 MG/L		J												
NITRATE	.1 MG/L		-												
PHENOLS	.01 MG/L		-												
PHOSPHORUS	.05 MG/L		J												
SULFATE	120 MG/L		-												
TOTAL ORGANIC CARBON	1 MG/L		-												
TOTAL ORGANIC HALIDES	.04 MG/L		J												
TOTAL ORGANIC NITROGEN	1 MG/L		-												
MISC															
TETRAETHYLPYROPHOSPHATE	.01 UG/L		U												
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL	.2 UG/L		UJ												
DEMETON	.04 UG/L		U												
DIAZINON	.02 UG/L		U												
DISULFOTON	.02 UG/L		U												
ETHION	.02 UG/L		U												
MALATHION	.02 UG/L		U												
METHYL PARATHION	.04 UG/L		U												
PARATHION	.02 UG/L		U												

PESTICIDES

4,4'-DDD .1 UG/L UJ
07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	038275			038275			038275			120038			120038		
LAB:	DATACHEM			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			RE-UNF			NONE-UNK			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
4,4'-DDE				.1 UG/L		UJ									
4,4'-DDT				.1 UG/L		UJ									
ALDRIN				.05 UG/L		UJ									
ALPHA-BHC				.05 UG/L		UJ									
ALPHA-CHLORDANE				.05 UG/L		UJ									
AROCLOR-1016				1 UG/L		UJ									
AROCLOR-1221				2 UG/L		UJ									
AROCLOR-1232				1 UG/L		UJ									
AROCLOR-1242				1 UG/L		UJ									
AROCLOR-1248				1 UG/L		UJ									
AROCLOR-1254				1 UG/L		UJ									
AROCLOR-1260				1 UG/L		UJ									
BETA-BHC				.05 UG/L		UJ									
DELTA-BHC				.05 UG/L		UJ									
DIELDRIN				.1 UG/L		UJ									
ENDOSULFAN II				.15 UG/L		J									
ENDOSULFAN SULFATE				2.6 UG/L		J									
ENDOSULFAN-I				.05 UG/L		UJ									
ENDRIN				.1 UG/L		UJ									
ENDRIN ALDEHYDE				.1 UG/L		UJ									
ENDRIN KETONE				.1 UG/L		UJ									
GAMMA-BHC (LINDANE)				.05 UG/L		UJ									
GAMMA-CHLORDANE				.05 UG/L		UJ									
HEPTACHLOR				.05 UG/L		UJ									
HEPTACHLOR EPOXIDE				.05 UG/L		UJ									
METHOXYCHLOR				.5 UG/L		UJ									
TOXAPHENE				5 UG/L		UJ									
RADIONUCLIDES															
URANIUM-238	.2 PCI/L	.08	UNV							.5 PCI/L	.2	UJ	.6 PCI/L	.2	-
URANIUM, TOTAL	.1 UG/L	.1	UNV							.3 UG/L	.1	-	.2 UG/L	.1	-
URANIUM-234	.36 PCI/L	.2	NV							.5 PCI/L	.2	UJ	.4 PCI/L	.2	UJ
THORIUM-230	.2 PCI/L	.09	UNV							.2 PCI/L	.2	UJ	.3 PCI/L	.3	-
RADIUM-226	1 PCI/L	.16	UNV							1.4 PCI/L	.4	J	1 PCI/L	.3	U
URANIUM-235/236	.2 PCI/L	.08	UNV							.2 PCI/L	.3	UJ	.2 PCI/L	.2	U
THORIUM-232	.2 PCI/L	.05	UNV							.2 PCI/L	.3	U	.2 PCI/L	.2	U
THORIUM, TOTAL	.5 UG/L	.12	UNV							.912 PCI/L	.3	NV			

SAMPLE NUMBER:	038275			038275			038275			120038			120038		
LAB:	DATACHEM			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			RE-UNF			NONE-UNK			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
RADIUM-228	5.74 PCI/L	3.7	NV							3 PCI/L	1.5	U	3 PCI/L	1.6	U
THORIUM-228	.64 PCI/L	.43	NV							.2 PCI/L	.2	U	.2 PCI/L	.2	U
PLUTONIUM-239/240	.5 PCI/L	.08	UNV												
PLUTONIUM-238	.5 PCI/L	.12	UNV												
STRONTIUM-90							1 PCI/L	.54	UNV						
GROSS ALPHA	4.67 PCI/L	2.61	NV							10.7 PCI/L	5.5	UNV	10.9 PCI/L	3.6	NV
GROSS BETA	6.64 PCI/L	3.32	NV							10.2 PCI/L	5.8	UNV	6.8 PCI/L	4.1	UNV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U												
1,4-DICHLOROBENZENE	10 UG/L		U												
2,4,5-TRICHLOROPHENOL	25 UG/L		U												
2,4,6-TRICHLOROPHENOL	10 UG/L		U												
2,4-DICHLOROPHENOL	10 UG/L		U												
2,4-DIMETHYLPHENOL	10 UG/L		U												
2,4-DINITROPHENOL	25 UG/L		U												
2,4-DINITROTOLUENE	10 UG/L		U												
2,6-DINITROTOLUENE	10 UG/L		U												
2-CHLORONAPHTHALENE	10 UG/L		U												
2-CHLOROPHENOL	10 UG/L		U												
2-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U												
2-NITROANILINE	25 UG/L		U												
2-NITROPHENOL	10 UG/L		U												
3,3'-DICHLOROBENZIDINE	10 UG/L		R												
3-NITROANILINE	25 UG/L		UJ												
4,6-DINITRO-2-METHYLPHENOL	25 UG/L		U												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		U												
4-CHLORO-3-METHYLPHENOL	10 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	25 UG/L		UJ												
4-NITROPHENOL	25 UG/L		U												
ACENAPHTHENE	10 UG/L		U												
ACENAPHTHYLENE	10 UG/L		U												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		U												
BENZO(A)PYRENE	10 UG/L		U												
BENZO(B)FLUORANTHENE	10 UG/L		U												

SAMPLE NUMBER:	038275			038275			038275			120038			120038		
LAB:	DATACHEM			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			RE-UNF			NONE-UNK			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(G,H,I)PERYLENE	10 UG/L		U												
BENZO(K)FLUORANTHENE	10 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
CARBAZOLE	10 UG/L		U												
CHRYSENE	10 UG/L		U												
DI-N-BUTYL PHTHALATE	10 UG/L		U												
DI-N-OCTYL PHTHALATE	10 UG/L		U												
DIBENZO(A,H)ANTHRACENE	10 UG/L		U												
DIBENZOFURAN	10 UG/L		U												
DIETHYL PHTHALATE	10 UG/L		U												
DIMETHYL PHTHALATE	10 UG/L		U												
FLUORANTHENE	10 UG/L		U												
FLUORENE	10 UG/L		U												
HEXACHLOROBENZENE	10 UG/L		U												
HEXACHLOROBUTADIENE	10 UG/L		U												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UJ												
HEXACHLOROETHANE	10 UG/L		U												
INDENO(1,2,3-CD)PYRENE	10 UG/L		U												
ISOPHORONE	10 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U												
N-NITROSODIPHENYLAMINE	10 UG/L		UJ												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
P-CHLOROANILINE	10 UG/L		R												
PENTACHLOROPHENOL	25 UG/L		U												
PHENANTHRENE	10 UG/L		U												
PHENOL	10 UG/L		U												
PYRENE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												

SAMPLE NUMBER:	038275			038275			038275			120038			120038		
LAB:	DATACHEM			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			RE-UNF			NONE-UNK			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		UJ												
ACETONE	10 UG/L		U												
BENZENE	10 UG/L		UJ												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		UJ												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		UJ												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		UJ												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		UJ												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		UJ												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120038			120038			120038			120038			104693		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			04.27		
LAB:	FERMCO			NET			NET			WMCO			IT		
WELL OR BORING NUMBER:	2423			2423			2423			2423			2424		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	30-JUN-93			30-JUN-93			30-JUN-93			30-JUN-93			15-JAN-93		
NORTH COORDINATE:	482556.52			482556.52			482556.52			482556.52			482347.01		
EAST COORDINATE:	1381770.68			1381770.68			1381770.68			1381770.68			1383280.98		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							326 MG/L		-						
AMMONIA							.53 MG/L		-						
BICARBONATE ALKALINITY							421 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE							19 MG/L		-						
FLUORIDE							.24 MG/L		-						
NITRATE/NITRITE							.02 MG/L		UJ						
PH							7.08 SU		-						
PHENOLS							.01 MG/L		UJ						
PHOSPHORUS							.1 MG/L		U						
SPECIFIC CONDUCTIVITY							1270 UMHOS/CM		-						
SULFATE							550 MG/L		-						
TOTAL DISSOLVED SOLIDS				1072 MG/L		-									
TOTAL KJELDAHL NITROGEN							.52 MG/L		J						
TOTAL ORGANIC CARBON							1 MG/L		J						
TOTAL ORGANIC HALOGENS							.01 MG/L		UJ						
TOTAL ORGANIC NITROGEN							.1 MG/L		UJ						
TOTAL SOLIDS							1164 MG/L		-						
INORGANICS															
ALUMINUM				.0207 MG/L		U	.0492 MG/L		U				.03 MG/L		U
ANTIMONY				.045 MG/L		U	.045 MG/L		U				.005 MG/L		UJ
ARSENIC				.002 MG/L		U	.0034 MG/L		U				.002 MG/L		U
BARIUM				.106 MG/L		-	.103 MG/L		-				.002 MG/L		U
BERYLLIUM				.001 MG/L		U	.001 MG/L		U				.002 MG/L		U
CADMIUM				.003 MG/L		U	.003 MG/L		U				.005 MG/L		U

SAMPLE NUMBER:	120038			120038			120038			120038			104693		
LAB:	FERMCO			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				218 MG/L		-	214 MG/L		-				18 MG/L		-
CHROMIUM				.005 MG/L		U	.005 MG/L		U				.01 MG/L		U
COBALT				.0113 MG/L		-	.0081 MG/L		-				.01 MG/L		U
COPPER				.0123 MG/L		U	.0096 MG/L		U				.01 MG/L		U
CYANIDE				.01 MG/L		UJ	.01 MG/L		UJ				.002 MG/L		U
IRON				6.13 MG/L		-	6.25 MG/L		-				1.65 MG/L		-
LEAD				.001 MG/L		UJ	.001 MG/L		UJ				.002 MG/L		U
MAGNESIUM				48.6 MG/L		-	48.3 MG/L		-				11.6 MG/L		-
MANGANESE				.393 MG/L		-	.392 MG/L		-				.0137 MG/L		-
MERCURY				.0002 MG/L		U	.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM													.02 MG/L		U
NICKEL				.02 MG/L		U	.02 MG/L		U				.02 MG/L		U
POTASSIUM				1.6 MG/L		-	1.64 MG/L		-				2.59 MG/L		-
SELENIUM				.001 MG/L		UJ	.001 MG/L		UJ				.002 MG/L		U
SILICON													2.05 MG/L		-
SILVER				.007 MG/L		UJ	.007 MG/L		U				.01 MG/L		U
SODIUM				16.8 MG/L		-	17 MG/L		-				9.62 MG/L		-
THALLIUM				.002 MG/L		U	.002 MG/L		U				.002 MG/L		U
VANADIUM				.003 MG/L		U	.003 MG/L		U				.01 MG/L		U
ZINC				.0339 MG/L		U	.018 MG/L		U				.005 MG/L		U
RADIONUCLIDES															
URANIUM, TOTAL	.3 UG/L		NV							.6 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							13 UG/L		UJ						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						

SAMPLE NUMBER:	120038			120038			120038			120038			104693		
LAB:	FERMCO			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	104693	104694	104694	GW930920-7	GW930920-7
TASK:	04.27	04.27	04.27	RCRA	RCRA
LAB:	IT/RSL	IT	IT/RSL	CORE	FERMCO
WELL OR BORING NUMBER:	2424	2424	2424	2424	2424
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-JAN-93	15-JAN-93	15-JAN-93	20-SEP-93	20-SEP-93
NORTH COORDINATE:	482347.01	482347.01	482347.01	482347.01	482347.01
EAST COORDINATE:	1383280.98	1383280.98	1383280.98	1383280.98	1383280.98
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM				.03 MG/L		U									
ANTIMONY				.005 MG/L		UJ									
ARSENIC				.002 MG/L		U									
BARIUM				.002 MG/L		U									
BERYLLIUM				.002 MG/L		U									
CADMIUM				.005 MG/L		U									
CALCIUM				18.1 MG/L		-									
CHROMIUM				.01 MG/L		U									
COBALT				.01 MG/L		U									
COPPER				.01 MG/L		U									
CYANIDE				.002 MG/L		U									
IRON				2.4 MG/L		-									
LEAD				.002 MG/L		U									
MAGNESIUM				11.7 MG/L		-									
MANGANESE				.018 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.02 MG/L		U									
NICKEL				.02 MG/L		U									
POTASSIUM				2.68 MG/L		-									
SELENIUM				.002 MG/L		U									
SILICON				2.07 MG/L		-									
SILVER				.01 MG/L		U									
SODIUM				9.79 MG/L		-									
THALLIUM				.002 MG/L		U									
VANADIUM				.01 MG/L		U									
ZINC				.005 MG/L		U									

RADIONUCLIDES

URANIUM-238 .4 PCI/L .3 -

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	104693			104694			104694			GW930920-7			GW930920-7		
LAB:	IT/RSL			IT			IT/RSL			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	.006 UG/L	.004	UJ				.06 UG/L	.01	UJ	1.16 UG/L	.1	-	1.4 UG/L		NV
URANIUM-234										.5 PCI/L	.2	-			
THORIUM-230										.6 PCI/L	.3	-			
RADIUM-226										1.6 PCI/L	.4	-			
URANIUM-235/236										.2 PCI/L	1.6	U			
THORIUM-232										.2 PCI/L	.2	UJ			
THORIUM, TOTAL										.91204196 PCI/L	.2	NV			
RADIUM-228										3 PCI/L	1.1	U			
THORIUM-228										.2 PCI/L	.3	UJ			
TECHNETIUM-99										15.7 PCI/L	9.3	U			
GROSS ALPHA	3 PCI/L		UNV				3 PCI/L		UNV	3.1 PCI/L	1.3	-			
GROSS BETA	4 PCI/L		UNV				4 PCI/L		UNV	5.1 PCI/L	2.5	J			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930920-7	GW930920-7	GW930728-1	GW930728-1	GW930728-1
TASK:	RCRA	RCRA	RCRA	RCRA	RCRA
LAB:	NET	NET	CORE	FERMCO	NET
WELL OR BORING NUMBER:	2424	2424	2424	2424	2424
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-SEP-93	20-SEP-93	28-JUL-93	28-JUL-93	28-JUL-93
NORTH COORDINATE:	482347.01	482347.01	482347.01	482347.01	482347.01
EAST COORDINATE:	1383280.98	1383280.98	1383280.98	1383280.98	1383280.98
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				296 MG/L		-									
AMMONIA				.29 MG/L		-									
BICARBONATE ALKALINITY				390 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				27 MG/L		-									
FLUORIDE				.4 MG/L		-									
NITRATE/NITRITE				.02 MG/L		UR									
PH				7.1 SU		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.1 MG/L		U									
SPECIFIC CONDUCTIVITY				873 UMHOS/CM		-									
SULFATE				156 MG/L		-									
TOTAL DISSOLVED SOLIDS	602 MG/L		-										590 MG/L		-
TOTAL KJELDAHL NITROGEN				.33 MG/L		-									
TOTAL ORGANIC CARBON				1 MG/L		U									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.1 MG/L		U									
TOTAL SOLIDS				573 MG/L		-									
INORGANICS															
ALUMINUM				.02 MG/L		U							.02 MG/L		U
ANTIMONY				.03 MG/L		U							.03 MG/L		U
ARSENIC				.002 MG/L		U							.003 MG/L		U
BARIUM				.0567 MG/L		-							.0406 MG/L		-
BERYLLIUM				.001 MG/L		U							.001 MG/L		U
CADMIUM				.0032 MG/L		-							.003 MG/L		U

SAMPLE NUMBER:	GW930920-7	GW930920-7	GW930728-1	GW930728-1	GW930728-1
LAB:	NET	NET	CORE	FERMCO	NET
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				122 MG/L		-							119 MG/L		-
CHROMIUM				.006 MG/L		U							.006 MG/L		U
COBALT				.005 MG/L		U							.005 MG/L		U
COPPER				.003 MG/L		U							.0046 MG/L		-
CYANIDE				.01 MG/L		U									
IRON				3.44 MG/L		-							2.96 MG/L		J
LEAD				.002 MG/L		U							.0021 MG/L		U
MAGNESIUM				33.5 MG/L		-							30.1 MG/L		-
MANGANESE				.235 MG/L		-							.285 MG/L		-
MERCURY				.0002 MG/L		U							.0002 MG/L		UJ
NICKEL				.01 MG/L		U							.01 MG/L		U
POTASSIUM				1.86 MG/L		U							1.27 MG/L		-
SELENIUM				.002 MG/L		U							.001 MG/L		UJ
SILVER				.004 MG/L		U							.004 MG/L		U
SODIUM				10.4 MG/L		-							10.6 MG/L		-
THALLIUM				.002 MG/L		U							.002 MG/L		U
VANADIUM				.003 MG/L		U							.003 MG/L		U
ZINC				.0127 MG/L		U							.0196 MG/L		-
RADIONUCLIDES															
URANIUM-238							.5 PCI/L	1.6	J						
URANIUM, TOTAL							2.4 UG/L	.2	-	2.1 UG/L		NV			
URANIUM-234							1.1 PCI/L	1.7	J						
THORIUM-230							.3 PCI/L	.2	UJ						
RADIUM-226							1 PCI/L	.3	U						
URANIUM-235/236							.2 PCI/L	.1	U						
THORIUM-232							.2 PCI/L	.2	U						
RADIUM-228							3.5 PCI/L	1.8	UJ						
THORIUM-228							.2 PCI/L	.2	UJ						
PLUTONIUM-239/240							.5 PCI/L	1.2	UNV						
PLUTONIUM-238							.5 PCI/L	1.3	UNV						
STRONTIUM-90							4.1 PCI/L	.6	-						
TECHNETIUM-99							15 PCI/L	8.8	U						
CESIUM-137							4 PCI/L	.9	UNV						
GROSS ALPHA							5 PCI/L	2.4	UJ						
GROSS BETA							4.8 PCI/L	2.9	UJ						
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									

SAMPLE NUMBER:	GW930920-7			GW930920-7			GW930728-1			GW930728-1			GW930728-1		
LAB:	NET			NET			CORE			FERMCO			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		UR									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930728-1	GW930922-1	GW930922-1	GW930922-1	GW930922-1
TASK:	RCRA	RCRA	RCRA	RCRA	RCRA
LAB:	NET	CORE	FERMCO	NET	NET
WELL OR BORING NUMBER:	2424	2426	2426	2426	2426
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JUL-93	22-SEP-93	22-SEP-93	22-SEP-93	22-SEP-93
NORTH COORDINATE:	482347.01	480820.82	480820.82	480820.82	480820.82
EAST COORDINATE:	1383280.98	1383202.73	1383202.73	1383202.73	1383202.73
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	294 MG/L		-										276 MG/L		-
AMMONIA	.29 MG/L		-										.02 MG/L		U
BICARBONATE ALKALINITY	360 MG/L		-										372 MG/L		-
CARBONATE ALKALINITY	3 MG/L		U										3 MG/L		U
CHLORIDE	26 MG/L		-										23 MG/L		-
FLUORIDE	.4 MG/L		-										.23 MG/L		-
NITRATE/NITRITE	.02 MG/L		UR										.02 MG/L		UR
PH	6.92 SU		-										7.49 SU		-
PHENOLS	.01 MG/L		U										.01 MG/L		U
PHOSPHORUS	.11 MG/L		-										.1 MG/L		UR
SPECIFIC CONDUCTIVITY	869 UMHOS/CM		-										998 UMHOS/CM		-
SULFATE	174 MG/L		-										157 MG/L		-
TOTAL DISSOLVED SOLIDS										600 MG/L		-			
TOTAL KJELDAHL NITROGEN													.14 MG/L		U
TOTAL ORGANIC CARBON	1 MG/L		-										1 MG/L		U
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC HALOGENS	.01 MG/L		U												
TOTAL ORGANIC NITROGEN													.14 MG/L		-
TOTAL SOLIDS	645 MG/L		-										618 MG/L		-
INORGANICS															
ALUMINUM	.0724 MG/L		-										.02 MG/L		U
ANTIMONY	.03 MG/L		U										.03 MG/L		U
ARSENIC	.003 MG/L		U										.0039 MG/L		UJ
BARIUM	.0434 MG/L		-										.0592 MG/L		-
BERYLLIUM	.001 MG/L		U										.001 MG/L		U

SAMPLE NUMBER:	GW930728-1			GW930922-1			GW930922-1			GW930922-1			GW930922-1		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM	.0155 MG/L		-										.003 MG/L		U
CALCIUM	126 MG/L		-										127 MG/L		-
CHROMIUM	.0078 MG/L		-										.006 MG/L		U
COBALT	.005 MG/L		U										.0058 MG/L		U
COPPER	.0116 MG/L		U										.0039 MG/L		U
CYANIDE	.01 MG/L		U										.01 MG/L		U
IRON	3.62 MG/L		-										2.28 MG/L		-
LEAD	.0029 MG/L		U										.0023 MG/L		-
MAGNESIUM	32 MG/L		-										30.7 MG/L		-
MANGANESE	.299 MG/L		-										.428 MG/L		-
MERCURY	.0002 MG/L		U										.0002 MG/L		U
NICKEL	.01 MG/L		U										.01 MG/L		U
POTASSIUM	1.4 MG/L		-										2.75 MG/L		U
SELENIUM	.001 MG/L		UJ										.002 MG/L		U
SILVER	.004 MG/L		U										.004 MG/L		U
SODIUM	11.3 MG/L		-										10.9 MG/L		-
THALLIUM	.002 MG/L		U										.002 MG/L		U
VANADIUM	.003 MG/L		U										.003 MG/L		U
ZINC	.0224 MG/L		-										.0144 MG/L		U
PESTICIDES															
4,4'-DDD	.1 UG/L		U												
4,4'-DDE	.1 UG/L		U												
4,4'-DDT	.1 UG/L		U												
ALDRIN	.05 UG/L		U												
ALPHA-BHC	.05 UG/L		U												
ALPHA-CHLORDANE	.05 UG/L		U												
AROCLOR-1016	1 UG/L		UJ												
AROCLOR-1221	2 UG/L		UJ												
AROCLOR-1232	1 UG/L		UJ												
AROCLOR-1242	1 UG/L		UJ												
AROCLOR-1248	1 UG/L		UJ												
AROCLOR-1254	1 UG/L		UJ												
AROCLOR-1260	1 UG/L		UJ												
BETA-BHC	.05 UG/L		U												
DELTA-BHC	.05 UG/L		U												
DIELDRIN	.1 UG/L		U												
ENDOSULFAN II	.1 UG/L		U												
ENDOSULFAN SULFATE	.1 UG/L		U												
ENDOSULFAN-I	.05 UG/L		U												
ENDRIN	.1 UG/L		U												

SAMPLE NUMBER:	GW930728-1			GW930922-1			GW930922-1			GW930922-1			GW930922-1		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDRIN ALDEHYDE	.1 UG/L		U												
ENDRIN KETONE	.1 UG/L		U												
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.05 UG/L		U												
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	5 UG/L		UJ												
RADIONUCLIDES															
URANIUM-238				.2 PCI/L	.2	UJ									
URANIUM, TOTAL				1.7 UG/L	.1	-	2 UG/L		NV						
URANIUM-234				.2 PCI/L	.2	U									
THORIUM-230				.3 PCI/L	.2	J									
RADIUM-226				1 PCI/L	.5	U									
URANIUM-235/236				.2 PCI/L	.5	U									
THORIUM-232				.2 PCI/L	.1	U									
RADIUM-228				3 PCI/L	1.2	U									
THORIUM-228				.2 PCI/L	.2	UJ									
TECHNETIUM-99				15 PCI/L	7.2	U									
GROSS ALPHA				3.7 PCI/L	.1	UJ									
GROSS BETA				3.7 PCI/L	2.3	U									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	11 UG/L		U												
1,2-DICHLOROBENZENE	11 UG/L		U												
1,3-DICHLOROBENZENE	11 UG/L		U												
1,4-DICHLOROBENZENE	11 UG/L		U												
2,4,5-TRICHLOROPHENOL	27 UG/L		U												
2,4,6-TRICHLOROPHENOL	11 UG/L		U												
2,4-DICHLOROPHENOL	11 UG/L		U												
2,4-DIMETHYLPHENOL	11 UG/L		U												
2,4-DINITROPHENOL	27 UG/L		U												
2,4-DINITROTOLUENE	11 UG/L		U												
2,6-DINITROTOLUENE	11 UG/L		U												
2-CHLORONAPHTHALENE	11 UG/L		U												
2-CHLOROPHENOL	11 UG/L		U												
2-METHYLNAPHTHALENE	11 UG/L		U												
2-METHYLPHENOL	11 UG/L		U												
2-NITROANILINE	27 UG/L		U												

SAMPLE NUMBER:	GW930728-1			GW930922-1			GW930922-1			GW930922-1			GW930922-1		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-NITROPHENOL	11 UG/L		U												
3,3'-DICHLOROBENZIDINE	11 UG/L		U												
3-NITROANILINE	27 UG/L		U												
4,6-DINITRO-2-METHYLPHENOL	27 UG/L		U												
4-BROMOPHENYL PHENYL ETHER	11 UG/L		U												
4-CHLORO-3-METHYLPHENOL	11 UG/L		U												
4-CHLOROPHENYLPHENYL ETHER	11 UG/L		U												
4-METHYLPHENOL	11 UG/L		U												
4-NITROANILINE	27 UG/L		U												
4-NITROPHENOL	27 UG/L		UJ												
ACENAPHTHENE	11 UG/L		U												
ACENAPHTHYLENE	11 UG/L		U												
ANTHRACENE	11 UG/L		U												
BENZO(A)ANTHRACENE	11 UG/L		U												
BENZO(A)PYRENE	11 UG/L		U												
BENZO(B)FLUORANTHENE	11 UG/L		U												
BENZO(G,H,I)PERYLENE	11 UG/L		U												
BENZO(K)FLUORANTHENE	11 UG/L		U												
BIS(2-CHLOROETHOXY)METHANE	11 UG/L		U												
BIS(2-CHLOROETHYL)ETHER	11 UG/L		U												
BIS(2-CHLOROISOPROPYL) ETHER	11 UG/L		U												
BIS(2-ETHYLHEXYL)PHTHALATE	11 UG/L		U												
BUTYL BENZYL PHTHALATE	11 UG/L		UJ												
CARBAZOLE	11 UG/L		U												
CHRYSENE	11 UG/L		U												
DI-N-BUTYL PHTHALATE	11 UG/L		U												
DI-N-OCTYL PHTHALATE	11 UG/L		U												
DIBENZO(A,H)ANTHRACENE	11 UG/L		U												
DIBENZOFURAN	11 UG/L		U												
DIETHYL PHTHALATE	11 UG/L		U												
DIMETHYL PHTHALATE	11 UG/L		U												
FLUORANTHENE	11 UG/L		U												
FLUORENE	11 UG/L		U												
HEXACHLOROBENZENE	11 UG/L		U												
HEXACHLOROBUTADIENE	11 UG/L		U												
HEXACHLOROCYCLOPENTADIENE	11 UG/L		U												
HEXACHLOROETHANE	11 UG/L		U												
INDENO(1,2,3-CD)PYRENE	11 UG/L		U												
ISOPHORONE	11 UG/L		U												
N-NITROSO-DI-N-PROPYLAMINE	11 UG/L		U												
N-NITROSODIPHENYLAMINE	11 UG/L		U												

SAMPLE NUMBER:	GW930728-1			GW930922-1			GW930922-1			GW930922-1			GW930922-1		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
NAPHTHALENE	11 UG/L		U												
NITROBENZENE	11 UG/L		U												
P-CHLOROANILINE	11 UG/L		U												
PENTACHLOROPHENOL	27 UG/L		U												
PHENANTHRENE	11 UG/L		U												
PHENOL	11 UG/L		U										.01 MG/L		U
PYRENE	11 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1,2-TRICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1-DICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1-DICHLOROETHENE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U										10 UG/L		U
1,2-DICHLOROPROPANE	10 UG/L		U										10 UG/L		U
2-BUTANONE	10 UG/L		U										10 UG/L		U
2-HEXANONE	10 UG/L		U										10 UG/L		U
4-METHYL-2-PENTANONE	10 UG/L		U										10 UG/L		U
ACETONE	10 UG/L		UJ										10 UG/L		U
BENZENE	10 UG/L		U										10 UG/L		U
BROMODICHLOROMETHANE	10 UG/L		U										10 UG/L		U
BROMOFORM	10 UG/L		U										10 UG/L		UJ
BROMOMETHANE	10 UG/L		UJ										10 UG/L		U
CARBON DISULFIDE	10 UG/L		U										10 UG/L		U
CARBON TETRACHLORIDE	10 UG/L		U										10 UG/L		U
CHLOROBENZENE	10 UG/L		U										10 UG/L		U
CHLOROETHANE	10 UG/L		U										10 UG/L		U
CHLOROFORM	10 UG/L		U										10 UG/L		U
CHLOROMETHANE	10 UG/L		UR										10 UG/L		U
CIS-1,3-DICHLOROPROPENE	10 UG/L		U										10 UG/L		U
DIBROMOCHLOROMETHANE	10 UG/L		U										10 UG/L		U
ETHYLBENZENE	10 UG/L		U										10 UG/L		U
METHYLENE CHLORIDE	10 UG/L		U										10 UG/L		U
STYRENE	10 UG/L		U										10 UG/L		U
TETRACHLOROETHENE	10 UG/L		U										10 UG/L		U
TOLUENE	10 UG/L		U										10 UG/L		U
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U										10 UG/L		U
TRICHLOROETHENE	10 UG/L		U										10 UG/L		U
VINYL CHLORIDE	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	GW930728-1			GW930922-1			GW930922-1			GW930922-1			GW930922-1		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
XYLENES, TOTAL	10 UG/L		U										10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930728-2	GW930728-2	GW930728-2	GW930728-2	GW930921-2
TASK:	RCRA	RCRA	RCRA	RCRA	RCRA
LAB:	CORE	FERMCO	NET	NET	CORE
WELL OR BORING NUMBER:	2426	2426	2426	2426	2429
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JUL-93	28-JUL-93	28-JUL-93	28-JUL-93	21-SEP-93
NORTH COORDINATE:	480820.82	480820.82	480820.82	480820.82	480082.6
EAST COORDINATE:	1383202.73	1383202.73	1383202.73	1383202.73	1383293.04
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										292 MG/L		-			
AMMONIA										.06 MG/L		-			
BICARBONATE ALKALINITY										351 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										23 MG/L		-			
FLUORIDE										.22 MG/L		-			
NITRATE/NITRITE										.02 MG/L		UR			
PH										7.01 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.1 MG/L		U			
SPECIFIC CONDUCTIVITY										858 UMHOS/CM		-			
SULFATE										181 MG/L		-			
TOTAL DISSOLVED SOLIDS							588 MG/L		-						
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALOGENS										.01 MG/L		U			
TOTAL SOLIDS										644 MG/L		-			
INORGANICS															
ALUMINUM							.02 MG/L		U	.0617 MG/L		-			
ANTIMONY							.03 MG/L		U	.03 MG/L		U			
ARSENIC							.003 MG/L		U	.003 MG/L		U			
BARIUM							.0596 MG/L		-	.0587 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.0065 MG/L		-	.0115 MG/L		-			
CALCIUM							129 MG/L		-	128 MG/L		-			
CHROMIUM							.006 MG/L		U	.0118 MG/L		-			

SAMPLE NUMBER:	GW930728-2			GW930728-2			GW930728-2			GW930728-2			GW930921-2		
LAB:	CORE			FERMCO			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
COBALT							.005 MG/L		U	.005 MG/L		U			
COPPER							.0037 MG/L		-	.0134 MG/L		U			
CYANIDE										.01 MG/L		U			
IRON							3.15 MG/L		J	3.26 MG/L		-			
LEAD							.0021 MG/L		U	.0044 MG/L		U			
MAGNESIUM							31.3 MG/L		-	31.1 MG/L		-			
MANGANESE							.417 MG/L		-	.407 MG/L		-			
MERCURY							.0002 MG/L		UJ	.0002 MG/L		U			
NICKEL							.01 MG/L		U	.0116 MG/L		-			
POTASSIUM							2.09 MG/L		-	2.08 MG/L		-			
SELENIUM							.001 MG/L		UJ	.001 MG/L		UJ			
SILVER							.004 MG/L		U	.004 MG/L		U			
SODIUM							10.7 MG/L		-	10.4 MG/L		-			
THALLIUM							.002 MG/L		U	.002 MG/L		U			
VANADIUM							.003 MG/L		U	.0031 MG/L		-			
ZINC							.0238 MG/L		-	.047 MG/L		-			
PESTICIDES															
4,4'-DDD										.1 UG/L		U			
4,4'-DDE										.1 UG/L		U			
4,4'-DDT										.1 UG/L		U			
ALDRIN										.05 UG/L		U			
ALPHA-BHC										.05 UG/L		U			
ALPHA-CHLORDANE										.05 UG/L		U			
AROCLOR-1016										1 UG/L		UJ			
AROCLOR-1221										2 UG/L		UJ			
AROCLOR-1232										1 UG/L		UJ			
AROCLOR-1242										1 UG/L		UJ			
AROCLOR-1248										1 UG/L		UJ			
AROCLOR-1254										1 UG/L		UJ			
AROCLOR-1260										1 UG/L		UJ			
BETA-BHC										.05 UG/L		U			
DELTA-BHC										.05 UG/L		U			
DIELDRIN										.1 UG/L		U			
ENDOSULFAN II										.1 UG/L		U			
ENDOSULFAN SULFATE										.1 UG/L		U			
ENDOSULFAN-I										.05 UG/L		U			
ENDRIN										.1 UG/L		U			
ENDRIN ALDEHYDE										.1 UG/L		U			
ENDRIN KETONE										.1 UG/L		U			
GAMMA-BHC (LINDANE)										.05 UG/L		U			

SAMPLE NUMBER:	GW930728-2			GW930728-2			GW930728-2			GW930728-2			GW930921-2		
LAB:	CORE			FERMCO			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
GAMMA-CHLORDANE										.05 UG/L		U			
HEPTACHLOR										.05 UG/L		U			
HEPTACHLOR EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.5 UG/L		U			
TOXAPHENE										5 UG/L		UJ			
RADIONUCLIDES															
URANIUM-238	.7 PCI/L	1.6	J										.5 PCI/L	.4	-
URANIUM, TOTAL	2 UG/L	.1	-	1.8 UG/L		NV							.92 UG/L	.1	-
URANIUM-234	.7 PCI/L	1.6	J										.5 PCI/L	.3	-
THORIUM-230	.3 PCI/L	.2	UJ										2.8 PCI/L	1.2	-
RADIUM-226	1 PCI/L	.3	UJ										1 PCI/L	.4	U
URANIUM-235/236	.2 PCI/L	.1	U										.2 PCI/L	1.6	UJ
THORIUM-232	.2 PCI/L	.2	UJ										.5 PCI/L	.3	UJ
THORIUM, TOTAL	.9120244 PCI/L	2	NV										2.73616328 PCI/L	.3	NV
RADIUM-228	3.4 PCI/L	1.8	UJ										3 PCI/L	1.3	U
THORIUM-228	.2 PCI/L	.2	UJ										.2 PCI/L	.4	UJ
PLUTONIUM-239/240	.9 PCI/L	2.2	NV												
PLUTONIUM-238	.5 PCI/L	3.7	UNV												
STRONTIUM-90	1 PCI/L	.3	U												
TECHNETIUM-99	15 PCI/L	7.6	U										15 PCI/L	8.5	U
CESIUM-137	4 PCI/L	2.2	UNV												
GROSS ALPHA	4.6 PCI/L	2.7	UJ										3.7 PCI/L	1.8	U
GROSS BETA	5.8 PCI/L	3.5	UJ										9.6 PCI/L	2.3	-
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		U			
1,2-DICHLOROBENZENE										10 UG/L		U			
1,3-DICHLOROBENZENE										10 UG/L		U			
1,4-DICHLOROBENZENE										10 UG/L		U			
2,4,5-TRICHLOROPHENOL										24 UG/L		U			
2,4,6-TRICHLOROPHENOL										10 UG/L		U			
2,4-DICHLOROPHENOL										10 UG/L		U			
2,4-DIMETHYLPHENOL										10 UG/L		U			
2,4-DINITROPHENOL										24 UG/L		UR			
2,4-DINITROTOLUENE										10 UG/L		U			
2,6-DINITROTOLUENE										10 UG/L		U			
2-CHLORONAPHTHALENE										10 UG/L		U			
2-CHLOROPHENOL										10 UG/L		U			
2-METHYLNAPHTHALENE										10 UG/L		U			

SAMPLE NUMBER:	GW930728-2			GW930728-2			GW930728-2			GW930728-2			GW930921-2		
LAB:	CORE			FERMCO			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-METHYLPHENOL										10 UG/L		U			
2-NITROANILINE										24 UG/L		U			
2-NITROPHENOL										10 UG/L		U			
3,3'-DICHLOROBENZIDINE										10 UG/L		U			
3-NITROANILINE										24 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL										24 UG/L		U			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		U			
4-CHLORO-3-METHYLPHENOL										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			
4-NITROANILINE										24 UG/L		U			
4-NITROPHENOL										24 UG/L		U			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		U			
ANTHRACENE										10 UG/L		U			
BENZO(A)ANTHRACENE										10 UG/L		U			
BENZO(A)PYRENE										10 UG/L		U			
BENZO(B)FLUORANTHENE										10 UG/L		U			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		UJ			
BIS(2-ETHYLHEXYL)PHTHALATE										10 UG/L		U			
BUTYL BENZYL PHTHALATE										10 UG/L		UJ			
CARBAZOLE										10 UG/L		U			
CHRYSENE										10 UG/L		U			
DI-N-BUTYL PHTHALATE										10 UG/L		U			
DI-N-OCTYL PHTHALATE										10 UG/L		U			
DIBENZO(A,H)ANTHRACENE										10 UG/L		U			
DIBENZOFURAN										10 UG/L		U			
DIETHYL PHTHALATE										10 UG/L		U			
DIMETHYL PHTHALATE										10 UG/L		U			
FLUORANTHENE										10 UG/L		U			
FLUORENE										10 UG/L		U			
HEXACHLOROBENZENE										10 UG/L		U			
HEXACHLOROBUTADIENE										10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		UR			
HEXACHLOROETHANE										10 UG/L		U			
INDENO(1,2,3-CD)PYRENE										10 UG/L		U			
ISOPHORONE										10 UG/L		U			

SAMPLE NUMBER:	GW930728-2			GW930728-2			GW930728-2			GW930728-2			GW930921-2		
LAB:	CORE			FERMCO			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		U			
NITROBENZENE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		U			
PENTACHLOROPHENOL										24 UG/L		U			
PHENANTHRENE										10 UG/L		U			
PHENOL										10 UG/L		U			
PYRENE										10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		UJ			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		UJ			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		UR			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			

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SAMPLE NUMBER:	GW930728-2			GW930728-2			GW930728-2			GW930728-2			GW930921-2		
LAB:	CORE			FERMCO			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930921-2	GW930921-2	30830-02429-12	30830-02429-14	30830-02429-15
TASK:	RCRA	RCRA	04.27	04.27	04.27
LAB:	NET	NET	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	2429	2429	2429	2429	2429
DEPTH:	-	-	0-85	-	0-85
DATE COLLECTED:	21-SEP-93	21-SEP-93	30-AUG-93	30-AUG-93	30-AUG-93
NORTH COORDINATE:	480082.6	480082.6	480082.6	480082.6	480082.6
EAST COORDINATE:	1383293.04	1383293.04	1383293.04	1383293.04	1383293.04
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				261 MG/L		-									
AMMONIA				.02 MG/L		U									
BICARBONATE ALKALINITY				342 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				20 MG/L		-									
FLUORIDE				.21 MG/L		-									
NITRATE/NITRITE				.02 MG/L		UR									
PH				7.29 SU		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.1 MG/L		UR									
SPECIFIC CONDUCTIVITY				878 UMHOS/CM		-									
SULFATE				127 MG/L		-									
TOTAL DISSOLVED SOLIDS	513 MG/L		-												
TOTAL KJELDAHL NITROGEN				.16 MG/L		U									
TOTAL ORGANIC CARBON				1 MG/L		U									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.16 MG/L		-									
TOTAL SOLIDS				582 MG/L		-									
INORGANICS															
ALUMINUM				.02 MG/L		U									
ANTIMONY				.03 MG/L		U									
ARSENIC				.002 MG/L		U									
BARIUM				.0583 MG/L		-									
BERYLLIUM				.001 MG/L		U									
CADMIUM				.0094 MG/L		-									

SAMPLE NUMBER:	GW930921-2			GW930921-2			30830-02429-12			30830-02429-14			30830-02429-15		
LAB:	NET			NET			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				113 MG/L		-									
CHROMIUM				.006 MG/L		U									
COBALT				.005 MG/L		U									
COPPER				.003 MG/L		U									
CYANIDE				.01 MG/L		U									
IRON				2.37 MG/L		-									
LEAD				.002 MG/L		U									
MAGNESIUM				29.6 MG/L		-									
MANGANESE				.282 MG/L		-									
MERCURY				.0002 MG/L		U									
NICKEL				.01 MG/L		U									
POTASSIUM				1.77 MG/L		U									
SELENIUM				.002 MG/L		U									
SILVER				.004 MG/L		U									
SODIUM				7.48 MG/L		-									
THALLIUM				.002 MG/L		U									
VANADIUM				.003 MG/L		U									
ZINC				.0244 MG/L		U									
RADIONUCLIDES															
URANIUM-238							.5 PCI/L	1.1	R						
URANIUM, TOTAL							1.9 UG/L	.1	-				2.3 UG/L		NV
URANIUM-234							.8 PCI/L	.4	R						
THORIUM-230							.2 PCI/L	.2	UJ						
RADIUM-226							1.1 PCI/L	.5	UJ						
URANIUM-235/236							.1 PCI/L	.1	R						
THORIUM-232							.2 PCI/L	.5	UJ						
RADIUM-228							2.2 PCI/L	1.2	U						
THORIUM-228							.1 PCI/L	.5	UJ						
TECHNETIUM-99							14.5 PCI/L	8.4	U						
GROSS ALPHA										210 PCI/L		UNV			
GROSS BETA										310 PCI/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									

SAMPLE NUMBER:	GW930921-2			GW930921-2			30830-02429-12			30830-02429-14			30830-02429-15		
LAB:	NET			NET			CORE			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		UJ									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				2 UG/L		J									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				1 UG/L		J									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	30830F02429-13	30830F02429-16	GW930914-1	GW930914-1	GW930914-1
TASK:	50.03.23	04.27	RCRA	RCRA	RCRA
LAB:	CORE	FERMCO	CORE	FERMCO	NET
WELL OR BORING NUMBER:	2429	2429	2430	2430	2430
DEPTH:	0-85	0-85	-	-	-
DATE COLLECTED:	30-AUG-93	30-AUG-93	14-SEP-93	14-SEP-93	14-SEP-93
NORTH COORDINATE:	480082.6	480082.6	479753.77	479753.77	479753.77
EAST COORDINATE:	1383293.04	1383293.04	1382997.32	1382997.32	1382997.32
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
TOTAL DISSOLVED SOLIDS													640 MG/L		-
RADIONUCLIDES															
URANIUM-238	.6 PCI/L	.1	-				1 PCI/L	.4	-						
URANIUM, TOTAL	1.6 UG/L	.1	-	1.9 UG/L		NV	2.56 UG/L	.2	-	3 UG/L		NV			
URANIUM-234	.8 PCI/L	.1	-				1 PCI/L	.3	-						
THORIUM-230	.3 PCI/L	.2	J				.2 PCI/L	.2	UJ						
RADIUM-226	1 PCI/L	.5	UJ				1 PCI/L	.4	U						
URANIUM-235/236	.2 PCI/L	.1	U				.2 PCI/L	1.6	U						
THORIUM-232	.2 PCI/L	.5	UJ				.2 PCI/L	.2	UJ						
THORIUM, TOTAL							.91202212 PCI/L	.2	NV						
RADIUM-228	3 PCI/L	1	U				3 PCI/L	1.2	U						
THORIUM-228	.2 PCI/L	.5	UJ				.2 PCI/L	.3	UJ						
TECHNETIUM-99	15 PCI/L	8.4	U				15 PCI/L	8.5	U						
GROSS ALPHA							4.9 PCI/L	1.9	-						
GROSS BETA							20.6 PCI/L	3	-						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930914-1	GW930414-10	GW930414-10	GW930414-10	GW930414-10
TASK:	RCRA	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	NET	CORE	CORE	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	2430	2430	2430	2430	2430
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-SEP-93	15-APR-93	15-APR-93	15-APR-93	15-APR-93
NORTH COORDINATE:	479753.77	479753.77	479753.77	479753.77	479753.77
EAST COORDINATE:	1382997.32	1382997.32	1382997.32	1382997.32	1382997.32
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE
QC OF:		GW930414-9	GW930414-9	GW930414-9	GW930414-9
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	278 MG/L		-										250 MG/L		-
AMMONIA	.03 MG/L		J										.05 MG/L		U
BICARBONATE ALKALINITY	305 MG/L		-										320 MG/L		-
CARBONATE ALKALINITY	3 MG/L		U										3 MG/L		U
CHLORIDE	17 MG/L		-										18 MG/L		-
FLUORIDE	.19 MG/L		-										.2 MG/L		-
NITRATE	.02 MG/L		UR										.05 MG/L		U
NITRATE/NITRITE	.02 MG/L		UR												
PH	7.2 SU		-										6.6 SU		-
PHENOLS	.01 MG/L		U										.01 MG/L		U
PHOSPHORUS	.1 MG/L		U										.08 MG/L		-
SPECIFIC CONDUCTIVITY	637 UMHOS/CM		-										1400 UMHOS/CM		-
SULFATE	208 MG/L		-										480 MG/L		-
TOTAL DISSOLVED SOLIDS										1200 MG/L		-			
TOTAL KJELDAHL NITROGEN	.1 MG/L		U										.2 MG/L		-
TOTAL ORGANIC CARBON	1 MG/L		U										1 MG/L		UJ
TOTAL ORGANIC HALIDES	.01 MG/L		U										.01 MG/L		UJ
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
TOTAL SOLIDS	627 MG/L		-										1200 MG/L		-
INORGANICS															
ALUMINUM	.02 MG/L		U							.014 MG/L		U	.016 MG/L		-
ANTIMONY	.03 MG/L		U							.045 MG/L		U	.045 MG/L		U
ARSENIC	.003 MG/L		U							.001 MG/L		U	.001 MG/L		U
BARIUM	.0405 MG/L		-							.0695 MG/L		-	.0671 MG/L		-
BERYLLIUM	.001 MG/L		U							.0012 MG/L		U	.001 MG/L		U

SAMPLE NUMBER:	GW930914-1			GW930414-10			GW930414-10			GW930414-10			GW930414-10		
LAB:	NET			CORE			CORE			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM	.003 MG/L		U							.003 MG/L		UJ	.003 MG/L		UJ
CALCIUM	141 MG/L		-							252 MG/L		-	249 MG/L		-
CHROMIUM	.006 MG/L		U							.004 MG/L		U	.004 MG/L		U
COBALT	.013 MG/L		U							.0061 MG/L		U	.006 MG/L		U
COPPER	.0046 MG/L		U							.0138 MG/L		U	.005 MG/L		U
CYANIDE	.01 MG/L		U							.01 MG/L		U	.01 MG/L		U
IRON	2.05 MG/L		-							3.87 MG/L		-	3.96 MG/L		-
LEAD	.002 MG/L		UJ							.001 MG/L		UJ	.001 MG/L		UJ
MAGNESIUM	31.7 MG/L		-							56.6 MG/L		-	53.8 MG/L		-
MANGANESE	.528 MG/L		-							.796 MG/L		-	.774 MG/L		-
MERCURY	.0002 MG/L		U							.0002 MG/L		U	.0002 MG/L		U
NICKEL	.01 MG/L		U							.019 MG/L		U	.019 MG/L		U
POTASSIUM	2.73 MG/L		U							2.32 MG/L		-	2.51 MG/L		J
SELENIUM	.0059 MG/L		UJ							.002 MG/L		UJ	.002 MG/L		UJ
SILVER	.004 MG/L		U							.003 MG/L		U	.004 MG/L		U
SODIUM	7.45 MG/L		-							9.55 MG/L		J	8.62 MG/L		J
THALLIUM	.002 MG/L		U							.001 MG/L		U	.001 MG/L		U
VANADIUM	.003 MG/L		U							.0066 MG/L		-	.004 MG/L		U
ZINC	.0158 MG/L		U							.006 MG/L		U	.006 MG/L		U
RADIONUCLIDES															
URANIUM-238				1.1 PCI/L	.5	-	1 PCI/L	.3	-						
URANIUM, TOTAL				3.6 UG/L	.3	-	3.6 UG/L	.3	-						
URANIUM-234				1.1 PCI/L	.5	-	1.3 PCI/L	.3	-						
THORIUM-230				.3 PCI/L	.2	J	.3 PCI/L	.2	UJ						
RADIUM-226				3.4 PCI/L	.6	J	1 PCI/L	.4	UJ						
URANIUM-235/236				.2 PCI/L	.3	U	.2 PCI/L	.2	U						
THORIUM-232				.3 PCI/L	.1	UJ	.4 PCI/L	.1	J						
THORIUM, TOTAL							3.6480488 PCI/L	.1	NV						
RADIUM-228				3 PCI/L	1.1	U	3 PCI/L	1	U						
THORIUM-228				.3 PCI/L	.1	UJ	.4 PCI/L	.1	J						
GROSS ALPHA				6.7 PCI/L	4	UNV	6 PCI/L	3.8	UNV						
GROSS BETA				10.9 PCI/L	4.2	NV	6.4 PCI/L	3.7	UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1,2-TRICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1-DICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1-DICHLOROETHENE	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	GW930914-1			GW930414-10			GW930414-10			GW930414-10			GW930414-10		
LAB:	NET			CORE			CORE			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U										10 UG/L		U
1,2-DICHLOROPROPANE	10 UG/L		U										10 UG/L		U
2-BUTANONE	10 UG/L		U										10 UG/L		U
2-HEXANONE	10 UG/L		U										10 UG/L		U
4-METHYL-2-PENTANONE	10 UG/L		U										10 UG/L		U
ACETONE	10 UG/L		U										10 UG/L		U
BENZENE	10 UG/L		U										10 UG/L		U
BROMODICHLOROMETHANE	10 UG/L		U										10 UG/L		U
BROMOFORM	10 UG/L		U										10 UG/L		U
BROMOMETHANE	10 UG/L		U										10 UG/L		U
CARBON DISULFIDE	1 UG/L		J										10 UG/L		U
CARBON TETRACHLORIDE	10 UG/L		U										10 UG/L		U
CHLOROBENZENE	10 UG/L		U										10 UG/L		U
CHLOROETHANE	10 UG/L		U										10 UG/L		U
CHLOROFORM	10 UG/L		U										10 UG/L		U
CHLOROMETHANE	10 UG/L		U										10 UG/L		UJ
CIS-1,3-DICHLOROPROPENE	10 UG/L		U										10 UG/L		U
DIBROMOCHLOROMETHANE	10 UG/L		U										10 UG/L		U
ETHYLBENZENE	10 UG/L		U										10 UG/L		U
METHYLENE CHLORIDE	10 UG/L		U										10 UG/L		U
STYRENE	10 UG/L		U										10 UG/L		U
TETRACHLOROETHENE	10 UG/L		U										10 UG/L		U
TOLUENE	10 UG/L		U										10 UG/L		U
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U										10 UG/L		U
TRICHLOROETHENE	10 UG/L		U										10 UG/L		U
VINYL CHLORIDE	10 UG/L		U										10 UG/L		U
XYLENES, TOTAL	1 UG/L		J										10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930414-9	GW930414-9	GW930414-9	GW930414-9	GW930125-1
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	RCRA
LAB:	CORE	CORE	DATACHEM	DATACHEM	CORE
WELL OR BORING NUMBER:	2430	2430	2430	2430	2430
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-APR-93	15-APR-93	15-APR-93	15-APR-93	25-JAN-93
NORTH COORDINATE:	479753.77	479753.77	479753.77	479753.77	479753.77
EAST COORDINATE:	1382997.32	1382997.32	1382997.32	1382997.32	1382997.32
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										250 MG/L		-			
AMMONIA										.05 MG/L		U			
BICARBONATE ALKALINITY										310 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										18 MG/L		-			
FLUORIDE										.2 MG/L		-			
NITRATE										.05 MG/L		U			
PH										7.1 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.09 MG/L		-			
SPECIFIC CONDUCTIVITY										1500 UMHOS/CM		-			
SULFATE										610 MG/L		-			
TOTAL DISSOLVED SOLIDS							1200 MG/L		-						
TOTAL KJELDAHL NITROGEN										.1 MG/L		-			
TOTAL ORGANIC CARBON										1 MG/L		J			
TOTAL ORGANIC HALIDES										.01 MG/L		UJ			
TOTAL SOLIDS										1200 MG/L		-			
INORGANICS															
ALUMINUM							.014 MG/L		U	.0443 MG/L		-			
ANTIMONY							.045 MG/L		U	.045 MG/L		U			
ARSENIC							.001 MG/L		-	.001 MG/L		U			
BARIUM							.0683 MG/L		-	.0682 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.003 MG/L		UJ	.003 MG/L		UJ			
CALCIUM							261 MG/L		-	256 MG/L		-			

SAMPLE NUMBER:	GW930414-9			GW930414-9			GW930414-9			GW930414-9			GW930125-1		
LAB:	CORE			CORE			DATACHEM			DATACHEM			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CHROMIUM							.004 MG/L		U	.004 MG/L		U			
COBALT							.006 MG/L		U	.0073 MG/L		U			
COPPER							.004 MG/L		U	.004 MG/L		U			
CYANIDE							.01 MG/L		U	.01 MG/L		U			
IRON							4.07 MG/L		-	4.05 MG/L		-			
LEAD							.001 MG/L		UJ	.001 MG/L		UJ			
MAGNESIUM							56.9 MG/L		-	56.8 MG/L		-			
MANGANESE							.789 MG/L		-	.814 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.019 MG/L		U	.019 MG/L		U			
POTASSIUM							1.44 MG/L		-	3.29 MG/L		J			
SELENIUM							.002 MG/L		UJ	.002 MG/L		UJ			
SILVER							.003 MG/L		U	.003 MG/L		U			
SODIUM							9.21 MG/L		-	9.54 MG/L		-			
THALLIUM							.001 MG/L		U	.001 MG/L		U			
VANADIUM							.004 MG/L		U	.0051 MG/L		-			
ZINC							.0062 MG/L		U	.006 MG/L		U			
RADIONUCLIDES															
URANIUM-238	1.2 PCI/L	.3	J	.8 PCI/L	.3	J									
URANIUM, TOTAL	3.8 UG/L	.3	-	4.1 UG/L	.3	-							4.3 UG/L		NV
URANIUM-234	1.5 PCI/L	.4	J	1.6 PCI/L	.3	J									
THORIUM-230	.3 PCI/L	.3	UJ	.3 PCI/L	.2	U							.2 PCI/L	.1	UNV
RADIUM-226	1.6 PCI/L	.4	J	1 PCI/L	.3	UJ							1 PCI/L	.3	UNV
URANIUM-235/236	.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ									
THORIUM-232	.3 PCI/L	.4	J	.3 PCI/L	.1	U							.2 PCI/L	.1	UNV
THORIUM, TOTAL	2.736 PCI/L	.4	NV										.5 UG/L		UNV
RADIUM-228	3 PCI/L	1.2	UJ	3 PCI/L	1.3	U							3 PCI/L	1.2	UNV
THORIUM-228	.2 PCI/L	.5	UJ	.3 PCI/L	.1	U							.2 PCI/L	.1	UNV
GROSS ALPHA	0 PCI/L	4.2	UNV	7.7 PCI/L	4.4	UNV							1.7 PCI/L	2.5	NV
GROSS BETA	1.2 PCI/L	4.2	UNV	7.5 PCI/L	4.4	UNV							2.9 PCI/L	2.7	NV
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			

SAMPLE NUMBER:	GW930414-9			GW930414-9			GW930414-9			GW930414-9			GW930125-1		
LAB:	CORE			CORE			DATACHEM			DATACHEM			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		U			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930125-1			GW930125-1			GW930125-1			GW930914-4			GW930914-4		
TASK:	RCRA			RCRA			RCRA			50.03.23			50.03.23		
LAB:	FERMCO Laboratory			NET			NET			CORE			FERMCO		
WELL OR BORING NUMBER:	2430			2430			2430			2431			2431		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-JAN-93			25-JAN-93			25-JAN-93			14-SEP-93			14-SEP-93		
NORTH COORDINATE:	479753.77			479753.77			479753.77			478856.8			478856.8		
EAST COORDINATE:	1382997.32			1382997.32			1382997.32			1383075.02			1383075.02		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY-															
ALKALINITY AS CACO3							288 MG/L		NV						
ALLYL CHLORIDE							5 UG/L		UNV						
AMMONIA							.12 MG/L		NV						
BICARBONATE ALKALINITY							348 MG/L		NV						
CARBONATE ALKALINITY							3 MG/L		UNV						
CHLORIDE							100 MG/L		NV						
FLUORIDE							.22 MG/L		NV						
NITRATE							.02 MG/L		UNV						
NITRITE, AS NITROGEN							.02 MG/L		UNV						
PH							7.23 SU		NV						
PHENOLS							.01 MG/L		UNV						
PHOSPHORUS							.1 MG/L		UNV						
SPECIFIC CONDUCTIVITY							914 UMHOS/CM		NV						
SULFATE							166 MG/L		NV						
TOTAL DISSOLVED SOLIDS				516 MG/L		NV									
TOTAL ORGANIC CARBON							12 MG/L		NV						
TOTAL ORGANIC HALIDES							.01 MG/L		UNV						
TOTAL SOLIDS							627 MG/L		NV						
INORGANICS															
ALUMINUM				.2 MG/L		UNV	.2 MG/L		UNV						
ANTIMONY				.02 MG/L		UNV	.02 MG/L		UNV						
ARSENIC				.005 MG/L		UNV	.005 MG/L		UNV						
BARIUM				.2 MG/L		UNV	.24 MG/L		NV						
BERYLLIUM				.005 MG/L		UNV	.005 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV						

SAMPLE NUMBER:	GW930125-1			GW930125-1			GW930125-1			GW930914-4			GW930914-4		
LAB:	FERMCO Laboratory			NET			NET			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				118 MG/L		NV	127 MG/L		NV						
CHROMIUM				.002 MG/L		UNV	.0034 MG/L		NV						
COBALT				.005 MG/L		UNV	.005 MG/L		UNV						
COPPER				.02 MG/L		UNV	.02 MG/L		UNV						
CYANIDE							.005 MG/L		UNV						
IRON				2.22 MG/L		NV	2.87 MG/L		NV						
LEAD				.003 MG/L		UNV	.003 MG/L		UNV						
MAGNESIUM				35.4 MG/L		NV	34.4 MG/L		NV						
MANGANESE				.367 MG/L		NV	.361 MG/L		NV						
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM				.01 MG/L		UNV	.01 MG/L		UNV						
NICKEL				.01 MG/L		UNV	.01 MG/L		UNV						
POTASSIUM							2.3 MG/L		NV						
SELENIUM				.005 MG/L		UNV	.005 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM							8.8 MG/L		NV						
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC				.02 MG/L		UNV	.02 MG/L		UNV						
MISC															
1,2,3-TRICHLOROPROPANE							5 UG/L		UNV						
1,2-DIBROMO-3-CHLOROPROPANE							2 UG/L		UNV						
1,2-DIBROMOETHANE							2 UG/L		UNV						
2-CHLORO-1,3-BUTADIENE							5 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACRYLONITRILE							50 UG/L		UNV						
DICHLORODIFLUOROMETHANE							10 UG/L		UNV						
ETHYL CYANIDE							20 UG/L		UNV						
ETHYL METHACRYLATE							5 UG/L		UNV						
IODOMETHANE							5 UG/L		UNV						
METHACRYLONITRILE							5 UG/L		UNV						
METHYL METHACRYLATE							5 UG/L		UNV						
PENTACHLOROETHANE							5 UG/L		UNV						
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
TRANS-1,4-DICHLORO-2-BUTENE							20 UG/L		UNV						

										1.3 PCI/L	.3	-			
SAMPLE NUMBER:	GW930125-1			GW930125-1			GW930125-1			GW930914-4			GW930914-4		
LAB:	FERMCO Laboratory			NET			NET			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	1.6 UG/L		NV							3.7 UG/L	.3	-	4.5 UG/L		NV
URANIUM-234										1.4 PCI/L	.3	-			
THORIUM-230										.3 PCI/L	.2	J			
RADIUM-226										1 PCI/L	.4	U			
URANIUM-235/236										.2 PCI/L	.5	U			
THORIUM-232										.2 PCI/L	.2	UJ			
THORIUM, TOTAL										.91201488 PCI/L	.2	NV			
RADIUM-228										3 PCI/L	1.1	UJ			
THORIUM-228										.2 PCI/L	.3	U			
TECHNETIUM-99										15 PCI/L	6.9	U			
GROSS ALPHA										3.3 PCI/L	2	UJ			
GROSS BETA										7.2 PCI/L	2.5	-			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
CUMENE							1 UG/L		UNV						
VOLATILES															
1,1,1,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							10 UG/L		UNV						
2-HEXANONE							10 UG/L		UNV						
4-METHYL-2-PENTANONE							10 UG/L		UNV						
ACETONE							10 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							5 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						

SAMPLE NUMBER:	GW930125-1	GW930125-1	GW930125-1	GW930914-4	GW930914-4
LAB:	FERMCO Laboratory	NET	NET	CORE	FERMCO
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							10 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							10 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							10 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
TRICHLOROFLUOROMETHANE							1 UG/L		UNV						
VINYL ACETATE							10 UG/L		UNV						
VINYL CHLORIDE							5 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930914-4	GW930914-4	GW930915-2	GW930915-2	GW930915-2
TASK:	50.03.23	50.03.23	RCRA	RCRA	RCRA
LAB:	NET	NET	CORE	FERMCO	NET
WELL OR BORING NUMBER:	2431	2431	2432	2432	2432
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-SEP-93	14-SEP-93	15-SEP-93	15-SEP-93	15-SEP-93
NORTH COORDINATE:	478856.8	478856.8	478002.22	478002.22	478002.22
EAST COORDINATE:	1383075.02	1383075.02	1383082.27	1383082.27	1383082.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				284 MG/L		-									
AMMONIA				.02 MG/L		UJ									
BICARBONATE ALKALINITY				275 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				19 MG/L		-									
FLUORIDE				.18 MG/L		-									
NITRATE/NITRITE				.02 MG/L		UR									
PH				7.08 SU		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.1 MG/L		UR									
SPECIFIC CONDUCTIVITY				886 UMHOS/CM		-									
SULFATE				181 MG/L		-									
TOTAL DISSOLVED SOLIDS	638 MG/L		-										613 MG/L		-
TOTAL KJELDAHL NITROGEN				.13 MG/L		-									
TOTAL ORGANIC CARBON				1 MG/L		U									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.13 MG/L		-									
TOTAL SOLIDS				684 MG/L		-									
INORGANICS															
ALUMINUM				.147 MG/L		-									
ANTIMONY				.03 MG/L		U									
ARSENIC				.003 MG/L		U									
BARIUM				.0416 MG/L		-									
BERYLLIUM				.001 MG/L		U									
CADMIUM				.0095 MG/L		-									

SAMPLE NUMBER:	GW930914-4			GW930914-4			GW930915-2			GW930915-2			GW930915-2		
LAB:	NET			NET			CORE			FERMCO			NET		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				138 MG/L		-									
CHROMIUM				.006 MG/L		U									
COBALT				.0134 MG/L		U									
COPPER				.0076 MG/L		U									
CYANIDE				.01 MG/L		U									
IRON				.671 MG/L		-									
LEAD				.0022 MG/L		J									
MAGNESIUM				33.8 MG/L		-									
MANGANESE				.311 MG/L		-									
MERCURY				.0002 MG/L		U									
NICKEL				.01 MG/L		U									
POTASSIUM				3.14 MG/L		-									
SELENIUM				.0016 MG/L		UJ									
SILVER				.004 MG/L		U									
SODIUM				8.67 MG/L		-									
THALLIUM				.002 MG/L		U									
VANADIUM				.003 MG/L		U									
ZINC				.0534 MG/L		-									
RADIONUCLIDES															
URANIUM-238							.9 PCI/L	.3	-						
URANIUM, TOTAL							2.5 UG/L	.2	-	2.9 UG/L		NV			
URANIUM-234							1.3 PCI/L	.3	-						
THORIUM-230							.4 PCI/L	.2	J						
RADIUM-226							1 PCI/L	.4	U						
URANIUM-235/236							.2 PCI/L	.5	UJ						
THORIUM-232							.2 PCI/L	.2	UJ						
THORIUM, TOTAL							.91203204 PCI/L	.2	NV						
RADIUM-228							3 PCI/L	1.2	U						
THORIUM-228							.2 PCI/L	.2	UJ						
TECHNETIUM-99							15 PCI/L	8	U						
GROSS ALPHA							3.3 PCI/L	1.8	UJ						
GROSS BETA							5.8 PCI/L	2.6	-						
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									

SAMPLE NUMBER:	GW930914-4	GW930914-4	GW930915-2	GW930915-2	GW930915-2
LAB:	NET	NET	CORE	FERMCO	NET
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		U									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				2 UG/L		J									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				2 UG/L		J									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930915-2	GW930728-5	GW930728-5	GW930728-5	GW930728-5
TASK:	RCRA	RCRA	RCRA	RCRA	RCRA
LAB:	NET	CORE	FERMCO	NET	NET
WELL OR BORING NUMBER:	2432	2432	2432	2432	2432
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-SEP-93	28-JUL-93	28-JUL-93	28-JUL-93	28-JUL-93
NORTH COORDINATE:	478002.22	478002.22	478002.22	478002.22	478002.22
EAST COORDINATE:	1383082.27	1383082.27	1383082.27	1383082.27	1383082.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	280 MG/L		-										224 MG/L		-
AMMONIA	.04 MG/L		J										.08 MG/L		-
BICARBONATE ALKALINITY	378 MG/L		-										275 MG/L		-
CARBONATE ALKALINITY	3 MG/L		U										3 MG/L		U
CHLORIDE	38 MG/L		-										29 MG/L		-
FLUORIDE	.21 MG/L		-										.16 MG/L		-
NITRATE/NITRITE	.02 MG/L		UR										.02 MG/L		UR
PH	7.15 SU		-										7.2 SU		-
PHENOLS	.01 MG/L		U										.01 MG/L		U
PHOSPHORUS	.1 MG/L		UR										.1 MG/L		U
SPECIFIC CONDUCTIVITY	877 UMHOS/CM		-										683 UMHOS/CM		-
SULFATE	162 MG/L		-										104 MG/L		-
TOTAL DISSOLVED SOLIDS										433 MG/L		-			
TOTAL KJELDAHL NITROGEN	.11 MG/L		-												
TOTAL ORGANIC CARBON	1 MG/L		U										1 MG/L		U
TOTAL ORGANIC HALIDES	.01 MG/L		U												
TOTAL ORGANIC HALOGENS													.01 MG/L		U
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
TOTAL SOLIDS	648 MG/L		-										640 MG/L		-
INORGANICS															
ALUMINUM	.0661 MG/L		-							.02 MG/L		U	.02 MG/L		U
ANTIMONY	.03 MG/L		U							.03 MG/L		U	.03 MG/L		U
ARSENIC	.003 MG/L		U							.003 MG/L		U	.003 MG/L		U
BARIUM	.0587 MG/L		-							.0568 MG/L		-	.0549 MG/L		-
BERYLLIUM	.001 MG/L		U							.001 MG/L		U	.001 MG/L		U

SAMPLE NUMBER:	GW930915-2			GW930728-5			GW930728-5			GW930728-5			GW930728-5		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CADMIUM	.0059 MG/L		-							.0102 MG/L		-	.0096 MG/L		-
CALCIUM	132 MG/L		-							119 MG/L		-	117 MG/L		-
CHROMIUM	.006 MG/L		U							.006 MG/L		U	.0066 MG/L		-
COBALT	.0116 MG/L		U							.005 MG/L		U	.005 MG/L		U
COPPER	.003 MG/L		U							.0042 MG/L		-	.0112 MG/L		U
CYANIDE	.01 MG/L		U										.01 MG/L		U
IRON	2.19 MG/L		-							1.67 MG/L		J	1.78 MG/L		-
LEAD	.002 MG/L		UJ							.0022 MG/L		U	.0023 MG/L		U
MAGNESIUM	33 MG/L		-							28.2 MG/L		-	27.7 MG/L		-
MANGANESE	.392 MG/L		-							.343 MG/L		-	.331 MG/L		-
MERCURY	.0002 MG/L		U							.0002 MG/L		UJ	.0002 MG/L		U
NICKEL	.01 MG/L		U							.01 MG/L		U	.01 MG/L		U
POTASSIUM	2.86 MG/L		U							2.71 MG/L		-	2.68 MG/L		-
SELENIUM	.001 MG/L		UJ							.001 MG/L		UJ	.001 MG/L		UJ
SILVER	.004 MG/L		U							.004 MG/L		U	.004 MG/L		U
SODIUM	18.7 MG/L		-							18.9 MG/L		-	18.7 MG/L		-
THALLIUM	.002 MG/L		U							.002 MG/L		U	.002 MG/L		U
VANADIUM	.003 MG/L		U							.003 MG/L		U	.003 MG/L		U
ZINC	.0104 MG/L		U							.0174 MG/L		-	.0271 MG/L		-
PESTICIDES															
4,4'-DDD													.099 UG/L		U
4,4'-DDE													.099 UG/L		U
4,4'-DDT													.099 UG/L		U
ALDRIN													.05 UG/L		U
ALPHA-BHC													.05 UG/L		U
ALPHA-CHLORDANE													.05 UG/L		U
AROCLOR-1016													.99 UG/L		U
AROCLOR-1221													2 UG/L		U
AROCLOR-1232													.99 UG/L		U
AROCLOR-1242													.99 UG/L		U
AROCLOR-1248													.99 UG/L		U
AROCLOR-1254													.99 UG/L		U
AROCLOR-1260													.99 UG/L		U
BETA-BHC													.05 UG/L		U
DELTA-BHC													.05 UG/L		U
DIELDRIN													.099 UG/L		U
ENDOSULFAN II													.099 UG/L		U
ENDOSULFAN SULFATE													.099 UG/L		U
ENDOSULFAN-I													.05 UG/L		U
ENDRIN													.099 UG/L		U

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SAMPLE NUMBER:	GW930915-2			GW930728-5			GW930728-5			GW930728-5			GW930728-5		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDRIN ALDEHYDE													.099 UG/L		U
ENDRIN KETONE													.099 UG/L		U
GAMMA-BHC (LINDANE)													.05 UG/L		U
GAMMA-CHLORDANE													.05 UG/L		U
HEPTACHLOR													.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
TOXAPHENE													5 UG/L		U
RADIONUCLIDES															
URANIUM-238				1 PCI/L	.3	J									
URANIUM, TOTAL				2.6 UG/L	.2	-	2.5 UG/L		NV						
URANIUM-234				1.1 PCI/L	.4	J									
THORIUM-230				.4 PCI/L	.2	J									
RADIUM-226				1 PCI/L	.4	UJ									
URANIUM-235/236				.2 PCI/L	.2	UJ									
THORIUM-232				.2 PCI/L	.2	UJ									
THORIUM, TOTAL				.91201984 PCI/L	.2	NV									
RADIUM-228				3 PCI/L	.9	UJ									
THORIUM-228				.2 PCI/L	.5	U									
PLUTONIUM-239/240				-.4 PCI/L	3.6	R									
PLUTONIUM-238				.2 PCI/L	6.9	R									
STRONTIUM-90				.5 PCI/L	.3	R									
TECHNETIUM-99				15 PCI/L	7.9	U									
CESIUM-137				5.6 PCI/L	3.4	UJ									
GROSS ALPHA				7.2 PCI/L	2.2	NV									
GROSS BETA				5.1 PCI/L	2.8	NV									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE													10 UG/L		U
1,4-DICHLOROBENZENE													10 UG/L		U
2,4,5-TRICHLOROPHENOL													25 UG/L		U
2,4,6-TRICHLOROPHENOL													10 UG/L		U
2,4-DICHLOROPHENOL													10 UG/L		U
2,4-DIMETHYLPHENOL													10 UG/L		U
2,4-DINITROPHENOL													25 UG/L		UR
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U

SAMPLE NUMBER:	GW930915-2			GW930728-5			GW930728-5			GW930728-5			GW930728-5		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2-CHLORONAPHTHALENE													10 UG/L		U
2-CHLOROPHENOL													10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													25 UG/L		U
2-NITROPHENOL													10 UG/L		U
3,3'-DICHLOROBENZIDINE													10 UG/L		U
3-NITROANILINE													25 UG/L		U
4,6-DINITRO-2-METHYLPHENOL													25 UG/L		U
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		U
4-METHYLPHENOL													10 UG/L		U
4-NITROANILINE													25 UG/L		U
4-NITROPHENOL													25 UG/L		U
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE													10 UG/L		U
ANTHRACENE													10 UG/L		U
BENZO(A)ANTHRACENE													10 UG/L		U
BENZO(A)PYRENE													10 UG/L		U
BENZO(B)FLUORANTHENE													10 UG/L		U
BENZO(G,H,I)PERYLENE													10 UG/L		U
BENZO(K)FLUORANTHENE													10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		U
BIS(2-CHLOROETHYL)ETHER													10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		UJ
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		U
BUTYL BENZYL PHTHALATE													10 UG/L		UJ
CARBAZOLE													10 UG/L		U
CHRYSENE													10 UG/L		U
DI-N-BUTYL PHTHALATE													56 UG/L		-
DI-N-OCTYL PHTHALATE													10 UG/L		U
DIBENZO(A,H)ANTHRACENE													10 UG/L		U
DIBENZOFURAN													10 UG/L		U
DIETHYL PHTHALATE													10 UG/L		U
DIMETHYL PHTHALATE													10 UG/L		U
FLUORANTHENE													10 UG/L		U
FLUORENE													10 UG/L		UNV
HEXACHLOROBENZENE													10 UG/L		U
HEXACHLOROBUTADIENE													10 UG/L		U
HEXACHLOROCYCLOPENTADIENE													10 UG/L		UR

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SAMPLE NUMBER:	GW930915-2			GW930728-5			GW930728-5			GW930728-5			GW930728-5		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
HEXACHLOROETHANE													10 UG/L		U
INDENO(1,2,3-CD)PYRENE													10 UG/L		U
ISOPHORONE													10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													10 UG/L		U
NAPHTHALENE													10 UG/L		U
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													25 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL	.01 MG/L		U										10 UG/L		U
PYRENE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1,2-TRICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1-DICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,1-DICHLOROETHENE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROETHANE	10 UG/L		U										10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U										10 UG/L		U
1,2-DICHLOROPROPANE	10 UG/L		U										10 UG/L		U
2-BUTANONE	10 UG/L		U										10 UG/L		U
2-HEXANONE	10 UG/L		U										10 UG/L		U
4-METHYL-2-PENTANONE	10 UG/L		U										10 UG/L		U
ACETONE	10 UG/L		U										10 UG/L		UJ
BENZENE	10 UG/L		U										10 UG/L		U
BROMODICHLOROMETHANE	10 UG/L		U										10 UG/L		U
BROMOFORM	10 UG/L		U										10 UG/L		U
BROMOMETHANE	10 UG/L		U										10 UG/L		UJ
CARBON DISULFIDE	10 UG/L		U										5 UG/L		J
CARBON TETRACHLORIDE	10 UG/L		U										10 UG/L		U
CHLOROBENZENE	10 UG/L		U										10 UG/L		U
CHLOROETHANE	10 UG/L		U										10 UG/L		U
CHLOROFORM	10 UG/L		U										10 UG/L		U
CHLOROMETHANE	2 UG/L		J										10 UG/L		UR
CIS-1,3-DICHLOROPROPENE	10 UG/L		U										10 UG/L		U
DIBROMOCHLOROMETHANE	10 UG/L		U										10 UG/L		U
ETHYLBENZENE	10 UG/L		U										10 UG/L		U
METHYLENE CHLORIDE	10 UG/L		U										10 UG/L		U
STYRENE	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	GW930915-2			GW930728-5			GW930728-5			GW930728-5			GW930728-5		
LAB:	NET			CORE			FERMCO			NET			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
TETRACHLOROETHENE	10 UG/L		U										10 UG/L		U
TOLUENE	10 UG/L		U										10 UG/L		U
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U										10 UG/L		U
TRICHLOROETHENE	10 UG/L		U										10 UG/L		U
VINYL CHLORIDE	10 UG/L		U										10 UG/L		U
XYLENES, TOTAL	10 UG/L		U										10 UG/L		U

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930920-4	GW930920-4	GW930920-4	GW930920-4	GW930125-2
TASK:	RCRA	RCRA	RCRA	RCRA	RCRA
LAB:	CORE	FERMCO	NET	NET	CORE
WELL OR BORING NUMBER:	2434	2434	2434	2434	2434
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-SEP-93	20-SEP-93	20-SEP-93	20-SEP-93	25-JAN-93
NORTH COORDINATE:	476412.18	476412.18	476412.18	476412.18	476412.18
EAST COORDINATE:	1380716.08	1380716.08	1380716.08	1380716.08	1380716.08
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3										269 MG/L		-			
AMMONIA										.02 MG/L		U			
BICARBONATE ALKALINITY										366 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										45 MG/L		-			
FLUORIDE										.22 MG/L		-			
NITRATE/NITRITE										2.5 MG/L		J			
PH										7.27 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.1 MG/L		U			
SPECIFIC CONDUCTIVITY										852 UMHOS/CM		-			
SULFATE										59 MG/L		-			
TOTAL DISSOLVED SOLIDS							461 MG/L		-						
TOTAL KJELDAHL NITROGEN										.1 MG/L		U			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.1 MG/L		U			
TOTAL SOLIDS										468 MG/L		-			
INORGANICS															
ALUMINUM										.0386 MG/L		-			
ANTIMONY										.03 MG/L		U			
ARSENIC										.002 MG/L		U			
BARIUM										.0539 MG/L		-			
BERYLLIUM										.001 MG/L		U			
CADMIUM										.003 MG/L		U			

SAMPLE NUMBER:	GW930920-4			GW930920-4			GW930920-4			GW930920-4			GW930125-2		
LAB:	CORE			FERMCO			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM										93.9 MG/L		-			
CHROMIUM										.006 MG/L		U			
COBALT										.005 MG/L		-			
COPPER										.003 MG/L		U			
CYANIDE										.01 MG/L		U			
IRON										.202 MG/L		U			
LEAD										.002 MG/L		U			
MAGNESIUM										25.9 MG/L		-			
MANGANESE										.0269 MG/L		U			
MERCURY										.0002 MG/L		U			
NICKEL										.01 MG/L		U			
POTASSIUM										3.25 MG/L		U			
SELENIUM										.002 MG/L		U			
SILVER										.004 MG/L		U			
SODIUM										24 MG/L		-			
THALLIUM										.002 MG/L		U			
VANADIUM										.003 MG/L		U			
ZINC										.0122 MG/L		U			
RADIONUCLIDES															
URANIUM-238	.6 PCI/L	.3	-												
URANIUM, TOTAL	1.41 UG/L	.1	-	2 UG/L		NV							.5 UG/L		UNV
URANIUM-234	.5 PCI/L	.2	-												
THORIUM-230	.6 PCI/L	.3	-										.3 PCI/L	.1	NV
RADIUM-226	2 PCI/L	.5	U										1 PCI/L	.3	UNV
URANIUM-235/236	.2 PCI/L	1.6	U												
THORIUM-232	.2 PCI/L	.2	UJ										.2 PCI/L	.1	UNV
THORIUM, TOTAL	1.82405416 PCI/L		NV										.5 UG/L		UNV
RADIUM-228	3 PCI/L	1.1	U										3 PCI/L	1.2	UNV
THORIUM-228	.2 PCI/L	.4	UJ										.2 PCI/L	.1	UNV
TECHNETIUM-99	15.4 PCI/L	9	U												
GROSS ALPHA	3 PCI/L	1.6	-										1.4 PCI/L	2.5	NV
GROSS BETA	7.9 PCI/L	2.3	-										1.2 PCI/L	2.6	NV
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHENE										10 UG/L		U			

SAMPLE NUMBER:	GW930920-4			GW930920-4			GW930920-4			GW930920-4			GW930125-2		
LAB:	CORE			FERMCO			NET			NET			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,2-DICHLOROETHANE										10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										10 UG/L		U			
1,2-DICHLOROPROPANE										10 UG/L		U			
2-BUTANONE										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										10 UG/L		U			
ACETONE										10 UG/L		U			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			
CARBON DISULFIDE										10 UG/L		U			
CARBON TETRACHLORIDE										10 UG/L		U			
CHLOROBENZENE										10 UG/L		U			
CHLOROETHANE										10 UG/L		UR			
CHLOROFORM										10 UG/L		U			
CHLOROMETHANE										10 UG/L		U			
CIS-1,3-DICHLOROPROPENE										10 UG/L		U			
DIBROMOCHLOROMETHANE										10 UG/L		U			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			
TETRACHLOROETHENE										10 UG/L		U			
TOLUENE										10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U			
TRICHLOROETHENE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930125-2			GW930125-2			GW930125-2			GW930728-6			GW930728-6		
TASK:	RCRA			RCRA			RCRA			RCRA			RCRA		
LAB:	FERMCO Laboratory			NET			NET			CORE			FERMCO		
WELL OR BORING NUMBER:	2434			2434			2434			2434			2434		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-JAN-93			25-JAN-93			25-JAN-93			28-JUL-93			28-JUL-93		
NORTH COORDINATE:	476412.18			476412.18			476412.18			476412.18			476412.18		
EAST COORDINATE:	1380716.08			1380716.08			1380716.08			1380716.08			1380716.08		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							264 MG/L		NV						
ALLYL CHLORIDE							5 UG/L		UNV						
AMMONIA							.02 MG/L		UNV						
BICARBONATE ALKALINITY							348 MG/L		NV						
CARBONATE ALKALINITY							3 MG/L		UNV						
CHLORIDE							33 MG/L		NV						
FLUORIDE							.23 MG/L		NV						
NITRATE							3.1 MG/L		NV						
NITRITE, AS NITROGEN							.02 MG/L		UNV						
PH							7.49 SU		NV						
PHENOLS							.01 MG/L		UNV						
PHOSPHORUS							.14 MG/L		NV						
SPECIFIC CONDUCTIVITY							770 UMHOS/CM		NV						
SULFATE							75 MG/L		NV						
TOTAL DISSOLVED SOLIDS				436 MG/L		NV									
TOTAL ORGANIC CARBON							13 MG/L		NV						
TOTAL ORGANIC HALIDES							.01 MG/L		UNV						
TOTAL SOLIDS							575 MG/L		NV						
INORGANICS															
ALUMINUM				1.19 MG/L		NV	1.31 MG/L		NV						
ANTIMONY				.02 MG/L		UNV	.02 MG/L		UNV						
ARSENIC				.005 MG/L		UNV	.005 MG/L		UNV						
BARIUM				.2 MG/L		UNV	.25 MG/L		NV						
BERYLLIUM				.005 MG/L		UNV	.005 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV						

SAMPLE NUMBER:	GW930125-2			GW930125-2			GW930125-2			GW930728-6			GW930728-6		
LAB:	FERMCO Laboratory			NET			NET			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				115 MG/L		NV	120 MG/L		NV						
CHROMIUM				.002 MG/L		UNV	.0068 MG/L		NV						
COBALT				.005 MG/L		UNV	.0065 MG/L		NV						
COPPER				.02 MG/L		UNV	.02 MG/L		UNV						
CYANIDE							.005 MG/L		UNV						
IRON				1.39 MG/L		NV	4.01 MG/L		NV						
LEAD				.003 MG/L		UNV	.0047 MG/L		NV						
MAGNESIUM				33.8 MG/L		NV	35.6 MG/L		NV						
MANGANESE				.112 MG/L		NV	.221 MG/L		NV						
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM				.01 MG/L		UNV	.01 MG/L		UNV						
NICKEL				.01 MG/L		UNV	.01 MG/L		UNV						
POTASSIUM							3.9 MG/L		NV						
SELENIUM				.005 MG/L		UNV	.005 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM							29 MG/L		NV						
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC				.02 MG/L		UNV	.02 MG/L		UNV						
MISC															
1,2,3-TRICHLOROPROPANE							5 UG/L		UNV						
1,2-DIBROMO-3-CHLOROPROPANE							2 UG/L		UNV						
1,2-DIBROMOETHANE							2 UG/L		UNV						
2-CHLORO-1,3-BUTADIENE							5 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACROLEIN							50 UG/L		UNV						
ACRYLONITRILE							50 UG/L		UNV						
DICHLORODIFLUOROMETHANE							10 UG/L		UNV						
ETHYL CYANIDE							20 UG/L		UNV						
ETHYL METHACRYLATE							5 UG/L		UNV						
IODOMETHANE							5 UG/L		UNV						
METHACRYLONITRILE							5 UG/L		UNV						
METHYL METHACRYLATE							5 UG/L		UNV						
PENTACHLOROETHANE							5 UG/L		UNV						
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
TRANS-1,4-DICHLORO-2-BUTENE							20 UG/L		UNV						

SAMPLE NUMBER:	GW930125-2			GW930125-2			GW930125-2			GW930728-6			GW930728-6		
LAB:	FERMCO Laboratory			NET			NET			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	2 UG/L		NV							1.8 UG/L	.1	-	1.8 UG/L		NV
URANIUM-234										.8 PCI/L	.4	R			
THORIUM-230										.4 PCI/L	.2	J			
RADIUM-226										1 PCI/L	.4	UJ			
URANIUM-235/236										.1 PCI/L	.2	R			
THORIUM-232										.2 PCI/L	.2	UJ			
THORIUM, TOTAL										.91203204 PCI/L	.2	NV			
RADIUM-228										3 PCI/L	1	UJ			
THORIUM-228										.2 PCI/L	.5	UJ			
PLUTONIUM-239/240										.6 PCI/L	2	R			
PLUTONIUM-238										-4.4 PCI/L	7.5	R			
STRONTIUM-90										.9 PCI/L	.4	R			
TECHNETIUM-99										15 PCI/L	7.8	U			
CESIUM-137										4 PCI/L	.7	UJ			
GROSS ALPHA										4.6 PCI/L	2.4	UNV			
GROSS BETA										14.4 PCI/L	2.7	NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
CUMENE							1 UG/L		UNV						
VOLATILES															
1,1,1,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						
1,1,2,2-TETRACHLOROETHANE							1 UG/L		UNV						
1,1,2-TRICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHANE							1 UG/L		UNV						
1,1-DICHLOROETHENE							1 UG/L		UNV						
1,2-DICHLOROETHANE							1 UG/L		UNV						
1,2-DICHLOROPROPANE							1 UG/L		UNV						
2-BUTANONE							10 UG/L		UNV						
2-HEXANONE							10 UG/L		UNV						
4-METHYL-2-PENTANONE							10 UG/L		UNV						
ACETONE							10 UG/L		UNV						
BENZENE							1 UG/L		UNV						
BROMODICHLOROMETHANE							1 UG/L		UNV						

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SAMPLE NUMBER:	GW930125-2			GW930125-2			GW930125-2			GW930728-6			GW930728-6		
LAB:	FERMCO Laboratory			NET			NET			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOFORM							1 UG/L		UNV						
BROMOMETHANE							5 UG/L		UNV						
CARBON DISULFIDE							1 UG/L		UNV						
CARBON TETRACHLORIDE							1 UG/L		UNV						
CHLOROBENZENE							1 UG/L		UNV						
CHLOROETHANE							10 UG/L		UNV						
CHLOROFORM							1 UG/L		UNV						
CHLOROMETHANE							10 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
DIBROMOCHLOROMETHANE							1 UG/L		UNV						
ETHYLBENZENE							1 UG/L		UNV						
METHYLENE CHLORIDE							10 UG/L		UNV						
STYRENE							1 UG/L		UNV						
TETRACHLOROETHENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
TRANS-1,3-DICHLOROPROPENE							1 UG/L		UNV						
TRICHLOROETHENE							1 UG/L		UNV						
TRICHLOROFLUOROMETHANE							1 UG/L		UNV						
VINYL ACETATE							10 UG/L		UNV						
VINYL CHLORIDE							5 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930728-6	GW930728-6	120603	120603	120603F
TASK:	RCRA	RCRA	50.03.22	50.03.22	50.03.22
LAB:	NET	NET	DATACHEM	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	2434	2434	2454	2454	2454
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JUL-93	28-JUL-93	27-AUG-93	27-AUG-93	27-AUG-93
NORTH COORDINATE:	476412.18	476412.18	481201.04	481201.04	481201.04
EAST COORDINATE:	1380716.08	1380716.08	1379310.18	1379310.18	1379310.18
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	RE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				288 MG/L		-	290 MG/L		-						
AMMONIA				.02 MG/L		U	.13 MG/L		-						
BICARBONATE ALKALINITY				372 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				38 MG/L		-	31 MG/L		-						
FLUORIDE				.2 MG/L		-	.2 MG/L		-						
NITRATE/NITRITE				2.68 MG/L		J	.18 MG/L		J						
PH				7.6 SU		-	.002 MG/L		-	10 UG/L		U			
PHENOLS				.01 MG/L		U	.002 MG/L		-						
PHOSPHORUS				.1 MG/L		U	.13 MG/L		-						
SPECIFIC CONDUCTIVITY				742 UMHOS/CM		-									
SULFATE				67 MG/L		-	100 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL DISSOLVED SOLIDS	459 MG/L		-												
TOTAL KJELDAHL NITROGEN							.1 MG/L		U						
TOTAL ORGANIC CARBON				1 MG/L		U	1 MG/L		U						
TOTAL ORGANIC HALIDES							.01 MG/L		UJ						
TOTAL ORGANIC HALOGENS				.01 MG/L		U									
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
TOTAL SOLIDS				785 MG/L		-									
INORGANICS															
ALUMINUM	.0314 MG/L		-	.046 MG/L		-	.392 MG/L		-				.0265 MG/L		U
ANTIMONY	.03 MG/L		U	.03 MG/L		U	.045 MG/L		UJ				.045 MG/L		UJ
ARSENIC	.003 MG/L		U	.003 MG/L		U	.0019 MG/L		-				.001 MG/L		U
BARIUM	.0555 MG/L		-	.0591 MG/L		-	.0683 MG/L		-				.0619 MG/L		-

07/25/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

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SAMPLE NUMBER:	GW930728-6			GW930728-6			120603			120603			120603F		
LAB:	NET			NET			DATACHEM			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			RE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
BERYLLIUM	.001 MG/L		U	.001 MG/L		U	.001 MG/L		U				.001 MG/L		U
CADMIUM	.003 MG/L		U	.0038 MG/L		-	.003 MG/L		U				.003 MG/L		U
CALCIUM	105 MG/L		-	105 MG/L		-	124 MG/L		-				112 MG/L		-
CHROMIUM	.006 MG/L		U	.006 MG/L		U	.0087 MG/L		U				.004 MG/L		U
COBALT	.005 MG/L		U	.005 MG/L		U	.006 MG/L		U				.006 MG/L		U
COPPER	.0048 MG/L		-	.0101 MG/L		U	.004 MG/L		U				.004 MG/L		U
CYANIDE				.01 MG/L		U	.01 MG/L		U				.01 MG/L		U
IRON	.12 MG/L		J	.488 MG/L		-	3.86 MG/L		J				.886 MG/L		J
LEAD	.002 MG/L		U	.0123 MG/L		UJ	.0017 MG/L		J				.001 MG/L		UJ
MAGNESIUM	27.2 MG/L		-	27.4 MG/L		-	30.6 MG/L		-				28.2 MG/L		-
MANGANESE	.0088 MG/L		U	.0252 MG/L		-	.494 MG/L		J				.468 MG/L		J
MERCURY	.0002 MG/L		UJ	.0002 MG/L		U	.0002 MG/L		U				.0002 MG/L		U
NICKEL	.01 MG/L		U	.01 MG/L		U	.0509 MG/L		J				.0241 MG/L		J
POTASSIUM	2.78 MG/L		-	2.81 MG/L		-	3.36 MG/L		-				3.25 MG/L		-
SELENIUM	.001 MG/L		UJ	.0014 MG/L		UJ	.0022 MG/L		J				.002 MG/L		UJ
SILVER	.004 MG/L		U	.004 MG/L		U	.003 MG/L		U				.003 MG/L		U
SODIUM	22.4 MG/L		-	22.6 MG/L		-	14.9 MG/L		-				14.6 MG/L		-
THALLIUM	.002 MG/L		U	.002 MG/L		U	.001 MG/L		UJ				.001 MG/L		UJ
VANADIUM	.003 MG/L		U	.003 MG/L		U	.005 MG/L		U				.004 MG/L		U
ZINC	.0144 MG/L		-	.0235 MG/L		-	.0168 MG/L		U				.006 MG/L		U
PESTICIDES															
4,4'-DDD				.1 UG/L		U									
4,4'-DDE				.1 UG/L		U									
4,4'-DDT				.1 UG/L		U									
ALDRIN				.05 UG/L		U									
ALPHA-BHC				.05 UG/L		U									
ALPHA-CHLORDANE				.05 UG/L		U									
AROCLOR-1016				1 UG/L		U									
AROCLOR-1221				2 UG/L		U									
AROCLOR-1232				1 UG/L		U									
AROCLOR-1242				1 UG/L		U									
AROCLOR-1248				1 UG/L		U									
AROCLOR-1254				1 UG/L		U									
AROCLOR-1260				1 UG/L		U									
BETA-BHC				.05 UG/L		U									
DELTA-BHC				.05 UG/L		U									
DIELDRIN				.1 UG/L		U									
ENDOSULFAN II				.1 UG/L		U									
ENDOSULFAN SULFATE				.1 UG/L		U									
ENDOSULFAN-I				.05 UG/L		U									

SAMPLE NUMBER:	GW930728-6			GW930728-6			120603			120603			120603F		
LAB:	NET			NET			DATACHEM			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			RE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES															
ENDRIN				.1 UG/L		U									
ENDRIN ALDEHYDE				.1 UG/L		U									
ENDRIN KETONE				.1 UG/L		U									
GAMMA-BHC (LINDANE)				.05 UG/L		U									
GAMMA-CHLORDANE				.05 UG/L		U									
HEPTACHLOR				.05 UG/L		U									
HEPTACHLOR EPOXIDE				.05 UG/L		U									
METHOXYCHLOR				.5 UG/L		U									
TOXAPHENE				5 UG/L		U									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,2-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,3-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
1,4-DICHLOROBENZENE				10 UG/L		U				10 UG/L		U			
2,4,5-TRICHLOROPHENOL				25 UG/L		U				25 UG/L		U			
2,4,6-TRICHLOROPHENOL				10 UG/L		U				10 UG/L		U			
2,4-DICHLOROPHENOL				10 UG/L		U				10 UG/L		U			
2,4-DIMETHYLPHENOL				10 UG/L		U				10 UG/L		U			
2,4-DINITROPHENOL				25 UG/L		UR				25 UG/L		U			
2,4-DINITROTOLUENE				10 UG/L		U				10 UG/L		U			
2,6-DINITROTOLUENE				10 UG/L		U				10 UG/L		U			
2-CHLORONAPHTHALENE				10 UG/L		U				10 UG/L		U			
2-CHLOROPHENOL				10 UG/L		U				10 UG/L		U			
2-METHYLNAPHTHALENE				10 UG/L		U				10 UG/L		U			
2-METHYLPHENOL				10 UG/L		U				10 UG/L		U			
2-NITROANILINE				25 UG/L		U				25 UG/L		U			
2-NITROPHENOL				10 UG/L		U				10 UG/L		U			
3,3'-DICHLOROBENZIDINE				10 UG/L		U				10 UG/L		U			
3-NITROANILINE				25 UG/L		U				25 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL				25 UG/L		U				25 UG/L		U			
4-BROMOPHENYL PHENYL ETHER				10 UG/L		U				10 UG/L		U			
4-CHLORO-3-METHYLPHENOL				10 UG/L		U				10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U				10 UG/L		U			
4-METHYLPHENOL				10 UG/L		U				10 UG/L		U			
4-NITROANILINE				25 UG/L		U				25 UG/L		U			
4-NITROPHENOL				25 UG/L		U				25 UG/L		UJ			
ACENAPHTHENE				10 UG/L		U				10 UG/L		U			
ACENAPHTHYLENE				10 UG/L		U				10 UG/L		U			
ANTHRACENE				10 UG/L		U				10 UG/L		U			
BENZO(A)ANTHRACENE				10 UG/L		U				10 UG/L		U			

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SAMPLE NUMBER:	GW930728-6			GW930728-6			120603			120603			120603F		
LAB:	NET			NET			DATACHEM			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			RE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
BENZO(A)PYRENE				10 UG/L		U				10 UG/L		UJ			
BENZO(B)FLUORANTHENE				10 UG/L		U				10 UG/L		UJ			
BENZO(G,H,I)PERYLENE				10 UG/L		U				10 UG/L		UJ			
BENZO(K)FLUORANTHENE				10 UG/L		U				10 UG/L		UJ			
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U				10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER				10 UG/L		U				10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		UJ				10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U				10 UG/L		U			
BUTYL BENZYL PHTHALATE				10 UG/L		UJ				10 UG/L		U			
CARBAZOLE				10 UG/L		U				10 UG/L		U			
CHRYSENE				10 UG/L		U				10 UG/L		U			
DI-N-BUTYL PHTHALATE				52 UG/L		-				10 UG/L		U			
DI-N-OCTYL PHTHALATE				10 UG/L		U				10 UG/L		UJ			
DIBENZO(A,H)ANTHRACENE				10 UG/L		U				10 UG/L		UJ			
DIBENZOFURAN				10 UG/L		U				10 UG/L		U			
DIETHYL PHTHALATE				10 UG/L		U				10 UG/L		U			
DIMETHYL PHTHALATE				10 UG/L		U				10 UG/L		U			
FLUORANTHENE				10 UG/L		U				10 UG/L		U			
FLUORENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROBENZENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROBUTADIENE				10 UG/L		U				10 UG/L		U			
HEXACHLOROCYCLOPENTADIENE				10 UG/L		UR				10 UG/L		U			
HEXACHLOROETHANE				10 UG/L		U				10 UG/L		U			
INDENO(1,2,3-CD)PYRENE				10 UG/L		U				10 UG/L		UJ			
ISOPHORONE				10 UG/L		U				10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		U				10 UG/L		U			
N-NITROSODIPHENYLAMINE				10 UG/L		U				10 UG/L		UJ			
NAPHTHALENE				10 UG/L		U				10 UG/L		U			
NITROBENZENE				10 UG/L		U				10 UG/L		U			
P-CHLOROANILINE				10 UG/L		U				10 UG/L		U			
PENTACHLOROPHENOL				25 UG/L		U				25 UG/L		U			
PHENANTHRENE				10 UG/L		U				10 UG/L		U			
PHENOL				10 UG/L		U	.002 MG/L		-	10 UG/L		U			
PYRENE				10 UG/L		U				10 UG/L		U			
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U	10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U	10 UG/L		U						
1,1,2-TRICHLOROETHANE				10 UG/L		U	10 UG/L		U						
1,1-DICHLOROETHANE				10 UG/L		U	10 UG/L		U						

SAMPLE NUMBER:	GW930728-6			GW930728-6			120603			120603			120603F		
LAB:	NET			NET			DATACHEM			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			RE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1-DICHLOROETHENE				10 UG/L		U	10 UG/L		U						
1,2-DICHLOROETHANE				10 UG/L		U	10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U	10 UG/L		U						
1,2-DICHLOROPROPANE				10 UG/L		U	10 UG/L		U						
2-BUTANONE				10 UG/L		U	10 UG/L		U						
2-HEXANONE				10 UG/L		U	10 UG/L		UR						
4-METHYL-2-PENTANONE				10 UG/L		U	10 UG/L		U						
ACETONE				10 UG/L		UJ	10 UG/L		UJ						
BENZENE				10 UG/L		U	10 UG/L		U						
BROMODICHLOROMETHANE				10 UG/L		U	10 UG/L		U						
BROMOFORM				10 UG/L		U	10 UG/L		U						
BROMOMETHANE				10 UG/L		UJ	10 UG/L		U						
CARBON DISULFIDE				10 UG/L		U	10 UG/L		U						
CARBON TETRACHLORIDE				10 UG/L		U	10 UG/L		U						
CHLOROBENZENE				10 UG/L		U	10 UG/L		U						
CHLOROETHANE				10 UG/L		U	10 UG/L		U						
CHLOROFORM				10 UG/L		U	10 UG/L		U						
CHLOROMETHANE				10 UG/L		UR	10 UG/L		U						
CIS-1,3-DICHLOROPROPENE				10 UG/L		U	10 UG/L		U						
DIBROMOCHLOROMETHANE				10 UG/L		U	10 UG/L		U						
ETHYLBENZENE				10 UG/L		U	10 UG/L		U						
METHYLENE CHLORIDE				10 UG/L		U	10 UG/L		U						
STYRENE				10 UG/L		U	10 UG/L		U						
TETRACHLOROETHENE				10 UG/L		U	10 UG/L		U						
TOLUENE				10 UG/L		U	10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U	10 UG/L		U						
TRICHLOROETHENE				10 UG/L		U	10 UG/L		U						
VINYL CHLORIDE				10 UG/L		U	10 UG/L		U						
XYLENES, TOTAL				10 UG/L		U	10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	120605	120605F	120607	120607F	046950
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	3.7
LAB:	CORE	CORE	FERMCO	FERMCO	IT
WELL OR BORING NUMBER:	2454	2454	2454	2454	2541
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-AUG-93	27-AUG-93	27-AUG-93	27-AUG-93	22-MAY-90
NORTH COORDINATE:	481201.04	481201.04	481201.04	481201.04	472957.522
EAST COORDINATE:	1379310.18	1379310.18	1379310.18	1379310.18	1379731.52
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238	1.2 PCI/L	1.6	J	1.2 PCI/L	.4	J									
URANIUM, TOTAL	4.3 UG/L	.3	-	4.1 UG/L	.3	-	4 UG/L		NV	4.4 UG/L		NV	9.8 UG/L	1.2	-
URANIUM-234	1.1 PCI/L	.3	J	1.2 PCI/L	.5	J									
THORIUM-230	.2 PCI/L	.2	UJ	.5 PCI/L	.2	J									
RADIUM-226	1 PCI/L	.3	U	1 PCI/L	.3	U									
URANIUM-235/236	.2 PCI/L	.1	UJ	.2 PCI/L	.2	UJ									
THORIUM-232	.2 PCI/L	.2	UJ	.2 PCI/L	.4	UJ									
THORIUM, TOTAL	.91201716 PCI/L		NV	.9120248 PCI/L	.4	NV									
RADIUM-228	3 PCI/L	.9	UJ	3 PCI/L	1	U									
THORIUM-228	.2 PCI/L	.2	UJ	.2 PCI/L	.5	UJ									
PLUTONIUM-239/240	.6 PCI/L	1.3	R	.3 PCI/L	.2	R									
PLUTONIUM-238	.6 PCI/L	1.3	R	.2 PCI/L	.5	R									
STRONTIUM-90	1.1 PCI/L	.6	U	1.3 PCI/L	.7	U									
TECHNETIUM-99	15 PCI/L	8.2	U	15 PCI/L	8.4	U									
CESIUM-137	4 PCI/L	.7	U	4 PCI/L	.7	U									
GROSS ALPHA	5 PCI/L	2.2	NV	3.4 PCI/L	2	UNV									
GROSS BETA	6.1 PCI/L	3.4	NV	26.6 PCI/L	3	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_829			EMGW_SYSGEN_830			EMGW_SYSGEN_830D			046951			EMGW_SYSGEN_831		
TASK:	GWMON			GWMON			GWMON			3.7			GWMON		
LAB:	WMCO			WMCO			WMCO			IT			WMCO		
WELL OR BORING NUMBER:	2541			2541			2541			2542			2542		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	26-JUN-91			27-AUG-91			27-AUG-91			23-MAY-90			26-JUN-91		
NORTH COORDINATE:	472957.522			472957.522			472957.522			472715.452			472715.452		
EAST COORDINATE:	1379731.52			1379731.52			1379731.52			1381172.04			1381172.04		
QA TYPE:	NORMAL			NORMAL			DUPLICATE			NORMAL			NORMAL		
QC OF:							EMGW_SYSGEN_830								
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	6.7 UG/L		NV	1 UG/L		NV	1 UG/L		NV	9.98 UG/L	1.26	-	11 UG/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_832			046952			046959			EMGW_SYSGEN_833			EMGW_SYSGEN_834		
TASK:	GWMON			3.7			3.7			GWMON			GWMON		
LAB:	WMCO			IT			IT			WMCO			WMCO		
WELL OR BORING NUMBER:	2542			2543			2543			2543			2543		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	27-AUG-91			23-MAY-90			23-MAY-90			26-JUN-91			27-AUG-91		
NORTH COORDINATE:	472715.452			473172.067			473172.067			473172.067			473172.067		
EAST COORDINATE:	1381172.04			1381204.47			1381204.47			1381204.47			1381204.47		
QA TYPE:	NORMAL			NORMAL			DUPLICATE			NORMAL			NORMAL		
QC OF:							046952								
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	5.2 UG/L		NV	7.61 UG/L	.86	-	5.51 UG/L	.6	J	20 UG/L		NV	3.4 UG/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930923-11	046953	046953	046953	EMGW_SYSGEN_835
TASK:	DMEPP	3.7	3.7	3.7	GWMON
LAB:	FERMCO	IT	IT	IT/RSL	WMCO
WELL OR BORING NUMBER:	2544	2544	2544	2544	2544
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-SEP-93	23-MAY-90	23-MAY-90	23-MAY-90	27-AUG-91
NORTH COORDINATE:	474536.36	474536.36	474536.36	474536.36	474536.36
EAST COORDINATE:	1379975.55	1379975.55	1379975.55	1379975.55	1379975.55
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	DL-UNF	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL	2.9 UG/L		NV				521 UG/L	74	-	15.3 UG/L	2.1	-	1 UG/L		NV
THORIUM-230							1 PCI/L		UJ						
RADIUM-226							1 PCI/L		U						
THORIUM-232							1 PCI/L		UJ						
THORIUM, TOTAL							2 UG/L		UJ						
RADIUM-228							3 PCI/L		UJ						
THORIUM-228							1 PCI/L		UJ						
NEPTUNIUM-237							1 PCI/L		U						
PLUTONIUM-239/240							1 PCI/L		UJ						
PLUTONIUM-238							1 PCI/L		U						
STRONTIUM-90							5 PCI/L		UJ						
TECHNETIUM-99							75.5 PCI/L	16.4	R						
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							20 PCI/L		U						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U						
1,2-DICHLOROBENZENE							10 UG/L		U						
1,3-DICHLOROBENZENE							10 UG/L		U						
1,4-DICHLOROBENZENE							10 UG/L		U						
2,4,5-TRICHLOROPHENOL							50 UG/L		U						
2,4,6-TRICHLOROPHENOL							10 UG/L		U						
2,4-DICHLOROPHENOL							10 UG/L		U						
2,4-DIMETHYLPHENOL							10 UG/L		U						
2,4-DINITROPHENOL							50 UG/L		UJ						
2,4-DINITROTOLUENE							10 UG/L		U						

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SAMPLE NUMBER:	GW930923-11			046953			046953			046953			EMGW_SYSGEN_835		
LAB:	FERMCO			IT			IT			IT/RSL			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
2,6-DINITROTOLUENE							10 UG/L		U						
2-CHLORONAPHTHALENE							10 UG/L		U						
2-CHLOROPHENOL							10 UG/L		U						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		U						
2-NITROANILINE							50 UG/L		U						
2-NITROPHENOL							10 UG/L		U						
3,3'-DICHLOROBENZIDINE							20 UG/L		U						
3-NITROANILINE							50 UG/L		U						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		U						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U						
4-CHLORO-3-METHYLPHENOL							10 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		U						
4-NITROANILINE							50 UG/L		U						
4-NITROPHENOL							50 UG/L		U						
ACENAPHTHENE							10 UG/L		U						
ACENAPHTHYLENE							10 UG/L		U						
ANTHRACENE							10 UG/L		U						
BENZO(A)ANTHRACENE							10 UG/L		U						
BENZO(A)PYRENE							10 UG/L		U						
BENZO(B)FLUORANTHENE							10 UG/L		U						
BENZO(G,H,I)PERYLENE							10 UG/L		U						
BENZO(K)FLUORANTHENE							10 UG/L		U						
BENZOIC ACID							50 UG/L		U						
BENZYL ALCOHOL							10 UG/L		U						
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U						
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		U						
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						
DI-N-OCTYL PHTHALATE							10 UG/L		U						
DIBENZO(A,H)ANTHRACENE							10 UG/L		U						
DIBENZOFURAN							10 UG/L		U						
DIETHYL PHTHALATE							10 UG/L		U						
DIMETHYL PHTHALATE							10 UG/L		U						
FLUORANTHENE							10 UG/L		U						
FLUORENE							10 UG/L		U						
HEXACHLOROBENZENE							10 UG/L		U						

SAMPLE NUMBER:	GW930923-11			046953			046953			046953			EMGW_SYSGEN_835		
LAB:	FERMCO			IT			IT			IT/RSL			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
SEMIVOLATILES															
HEXACHLOROBUTADIENE							10 UG/L		U						
HEXACHLOROCYCLOPENTADIENE							10 UG/L		U						
HEXACHLOROETHANE							10 UG/L		U						
INDENO(1,2,3-CD)PYRENE							10 UG/L		U						
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		U						
NITROBENZENE							10 UG/L		U						
P-CHLOROANILINE							10 UG/L		U						
PENTACHLOROPHENOL							50 UG/L		U						
PHENANTHRENE							10 UG/L		U						
PHENOL							10 UG/L		U						
PYRENE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE				550 UG/L		-									
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							58 UG/L		-						
1,1-DICHLOROETHENE							110 UG/L		-						
1,2-DICHLOROETHANE				310 UG/L		-									
1,2-DICHLOROETHENE (TOTAL)							4 UG/L		J						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		U						
BENZENE							5 UG/L		U						
BROMODICHLOROMETHANE							5 UG/L		U						
BROMOFORM							5 UG/L		UJ						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							5 UG/L		U						
CARBON TETRACHLORIDE							5 UG/L		U						
CHLOROBENZENE							5 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							29 UG/L		-						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							5 UG/L		U						
DIBROMOCHLOROMETHANE							5 UG/L		U						
ETHYLBENZENE							5 UG/L		U						

SAMPLE NUMBER:	GW930923-11			046953			046953			046953			EMGW_SYSGEN_835		
LAB:	FERMCO			IT			IT			IT/RSL			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-UNF			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
METHYLENE CHLORIDE							5 UG/L		U						
STYRENE							5 UG/L		U						
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U						
TRICHLOROETHENE							34 UG/L		-						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	046954	GW930923-12	GW930525-3	GW930525-3	GW930525-3
TASK:	3.7	DMEPP	50.03.23	50.03.23	50.03.23
LAB:	IT	FERMCO	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	2545	2545	2545	2545	2545
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-MAY-90	22-SEP-93	25-MAY-93	25-MAY-93	25-MAY-93
NORTH COORDINATE:	474173.899	474173.899	474173.899	474173.899	474173.899
EAST COORDINATE:	1379479.75	1379479.75	1379479.75	1379479.75	1379479.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238							16.5 PCI/L	2.1	J	20.8 PCI/L	2.5	J			
URANIUM, TOTAL	106 UG/L	15	-	65 UG/L		NV	49.1 UG/L	3.4	-	66.2 UG/L	4.6	-	50 UG/L		NV
URANIUM-234							15 PCI/L	2	J	17 PCI/L	2.1	J			
THORIUM-230							.2 PCI/L	.3	UJ	.2 PCI/L	.1	UJ			
RADIUM-226							1 PCI/L	.4	U	2.7 PCI/L	.5	J			
URANIUM-235/236							1 PCI/L	.4	J	1.3 PCI/L	.4	J			
THORIUM-232							.2 PCI/L	.2	UJ	.2 PCI/L	.1	U			
THORIUM, TOTAL							1.824 PCI/L	.2	NV						
RADIUM-228							3 PCI/L	1.1	U	3 PCI/L	1.2	U			
THORIUM-228							.2 PCI/L	.2	UJ	.2 PCI/L	.1	U			
GROSS ALPHA							18.5 PCI/L	3.1	NV	66.3 PCI/L	9.7	NV			
GROSS BETA							14.1 PCI/L	1.9	NV	57.6 PCI/L	8.1	NV			

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930525-3	GW930525-3	GW930525-3	EMGW_SYSGEN_836	046955
TASK:	50.03.23	50.03.23	50.03.23	GWMON	3.7
LAB:	FERMCO	NET	NET	WMCO	IT
WELL OR BORING NUMBER:	2545	2545	2545	2545	2546
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-MAY-93	25-MAY-93	25-MAY-93	27-AUG-91	22-MAY-90
NORTH COORDINATE:	474173.899	474173.899	474173.899	474173.899	473448.597
EAST COORDINATE:	1379479.75	1379479.75	1379479.75	1379479.75	1379530.74
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							192 MG/L		-						
AMMONIA							.05 MG/L		UJ						
BICARBONATE ALKALINITY							256 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE							37 MG/L		-						
FLUORIDE							.27 MG/L		-						
NITRATE/NITRITE							.43 MG/L		-						
PH							7.64 SU		-						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							2.28 MG/L		-						
SPECIFIC CONDUCTIVITY							573 UMHOS/CM		-						
SULFATE							93 MG/L		J						
TOTAL DISSOLVED SOLIDS				378 MG/L		-									
TOTAL KJELDAHL NITROGEN							2.1 MG/L		J						
TOTAL ORGANIC CARBON							2 MG/L		-						
TOTAL ORGANIC HALIDES							.01 MG/L		U						
TOTAL ORGANIC NITROGEN							2.05 MG/L		-						
TOTAL SOLIDS							1840 MG/L		-						
INORGANICS															
ALUMINUM				.02 MG/L		U	10.7 MG/L		-						
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.002 MG/L		U	.034 MG/L		-						
BARIUM				.0258 MG/L		-	.103 MG/L		-						
BERYLLIUM				.001 MG/L		U	.001 MG/L		U						
CADMIUM				.003 MG/L		U	.003 MG/L		UJ						

SAMPLE NUMBER:	GW930525-3			GW930525-3			GW930525-3			EMGW_SYSGEN_836			046955		
LAB:	FERMCO			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM				77.7 MG/L		-	192 MG/L		-						
CHROMIUM				.005 MG/L		U	.0185 MG/L		-						
COBALT				.008 MG/L		U	.008 MG/L		U						
COPPER				.0104 MG/L		U	.0164 MG/L		UJ						
CYANIDE				.01 MG/L		UJ	.01 MG/L		U						
IRON				.0383 MG/L		U	31.1 MG/L		-						
LEAD				.001 MG/L		UJ	.015 MG/L		U						
MAGNESIUM				19.8 MG/L		-	57 MG/L		-						
MANGANESE				.196 MG/L		-	3.41 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		UR						
NICKEL				.02 MG/L		U	.02 MG/L		UJ						
POTASSIUM				2.68 MG/L		-	4.4 MG/L		-						
SELENIUM				.0014 MG/L		UJ	.0018 MG/L		UJ						
SILVER				.007 MG/L		U	.007 MG/L		UR						
SODIUM				13 MG/L		-	13.7 MG/L		-						
THALLIUM				.002 MG/L		U	.002 MG/L		U						
VANADIUM				.003 MG/L		U	.0133 MG/L		-						
ZINC				.0106 MG/L		U	.0974 MG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL	62 UG/L		NV							43 UG/L		NV	144 UG/L	32	-
VOLATILES															
1,1,1-TRICHLOROETHANE							10 UG/L		U						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHENE							10 UG/L		U						
1,2-DICHLOROETHANE							10 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							10 UG/L		U						
1,2-DICHLOROPROPANE							10 UG/L		U						
2-BUTANONE							10 UG/L		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							10 UG/L		U						
BENZENE							10 UG/L		U						
BROMODICHLOROMETHANE							10 UG/L		U						
BROMOFORM							10 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							10 UG/L		U						

SAMPLE NUMBER:	GW930525-3			GW930525-3			GW930525-3			EMGW_SYSGEN_836			046955		
LAB:	FERMCO			NET			NET			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						
CHLOROETHANE							10 UG/L		U						
CHLOROFORM							10 UG/L		U						
CHLOROMETHANE							10 UG/L		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		U						
ETHYLBENZENE							10 UG/L		U						
METHYLENE CHLORIDE							10 UG/L		U						
STYRENE							10 UG/L		U						
TETRACHLOROETHENE							10 UG/L		U						
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_837	046956	EMGW_SYSGEN_838	EMGW_SYSGEN_839	GW930908-11
TASK:	GWMON	3.7	GWMON	GWMON	RCRA
LAB:	WMCO	IT	WMCO	WMCO	DATACHEM
WELL OR BORING NUMBER:	2546	2547	2547	2547	2548
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-AUG-91	22-MAY-90	26-JUN-91	27-AUG-91	08-SEP-93
NORTH COORDINATE:	473448.597	472744.956	472744.956	472744.956	473251.341
EAST COORDINATE:	1379530.74	1380375.06	1380375.06	1380375.06	1380335.2
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
ALUMINUM													.0425 MG/L		U
ANTIMONY													.045 MG/L		U
ARSENIC													.001 MG/L		U
BARIUM													.0486 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM													.003 MG/L		U
CALCIUM													91.4 MG/L		-
CHROMIUM													.0089 MG/L		U
COBALT													.006 MG/L		U
COPPER													.004 MG/L		U
IRON													.151 MG/L		U
LEAD													.001 MG/L		U
MAGNESIUM													27 MG/L		-
MANGANESE													.0148 MG/L		U
MERCURY													.0002 MG/L		U
NICKEL													.019 MG/L		U
POTASSIUM													3.09 MG/L		-
SELENIUM													.001 MG/L		UJ
SILVER													.003 MG/L		U
SODIUM													31.1 MG/L		-
THALLIUM													.001 MG/L		U
VANADIUM													.004 MG/L		U
ZINC													.006 MG/L		U
RADIONUCLIDES															
URANIUM, TOTAL	1.2 UG/L		NV	17.2 UG/L	2.8	-	.7 UG/L		NV	1 UG/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930908-11	GW930908-11	046957	GW930922-12	GW930922-12
TASK:	RCRA	RCRA	3.7	DMEPP	DMEPP
LAB:	DATACHEM	FERMCO	IT	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	2548	2548	2548	2548	2548
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-SEP-93	08-SEP-93	22-MAY-90	22-SEP-93	22-SEP-93
NORTH COORDINATE:	473251.341	473251.341	473251.341	473251.341	473251.341
EAST COORDINATE:	1380335.2	1380335.2	1380335.2	1380335.2	1380335.2
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
PHOSPHORUS	1.5 MG/L		-										5.4 MG/L		-
INORGANICS															
ALUMINUM	92 MG/L		-												
ANTIMONY	.045 MG/L		U												
ARSENIC	.0013 MG/L		U							.006 MG/L		U	.35 MG/L		-
BARIUM	8.69 MG/L		-												
BERYLLIUM	.0061 MG/L		U												
CADMIUM	.0104 MG/L		U												
CALCIUM	353 MG/L		-												
CHROMIUM	.109 MG/L		-												
COBALT	.168 MG/L		-												
COPPER	.694 MG/L		-												
IRON	913 MG/L		-												
LEAD	.244 MG/L		-												
MAGNESIUM	507 MG/L		-												
MANGANESE	139 MG/L		-												
MERCURY	.00044 MG/L		-												
NICKEL	.436 MG/L		-												
POTASSIUM	13.8 MG/L		-							5 MG/L		U	40 MG/L		-
SELENIUM	.01 MG/L		UJ												
SILVER	.003 MG/L		U												
SODIUM	31 MG/L		-							30 MG/L		-	35 MG/L		-
THALLIUM	.0025 MG/L		UJ												
VANADIUM	.251 MG/L		-												
ZINC	1.12 MG/L		-												

SAMPLE NUMBER:	GW930908-11			GW930908-11			046957			GW930922-12			GW930922-12		
LAB:	DATACHEM			FERMCO			IT			DATACHEM			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM, TOTAL				5.5 UG/L		NV	9.51 UG/L	1.05	-						
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		U												
4-METHYL-2-PENTANONE	10 UG/L		U												
ACETONE	10 UG/L		UJ												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930922-12	GW930525-10	GW930525-10	GW930525-10	GW930525-10
TASK:	DMEPP	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	FERMCO	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	2548	2548	2548	2548	2548
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-SEP-93	25-MAY-93	25-MAY-93	25-MAY-93	25-MAY-93
NORTH COORDINATE:	473251.341	473251.341	473251.341	473251.341	473251.341
EAST COORDINATE:	1380335.2	1380335.2	1380335.2	1380335.2	1380335.2
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238				.8 PCI/L	.3	J	.7 PCI/L	.3	R						
URANIUM, TOTAL	2.3 UG/L		NV	1.4 UG/L	.1	-	.7 UG/L	.1	-	1.1 UG/L		NV	.7 UG/L		NV
URANIUM-234				.8 PCI/L	.3	J	.9 PCI/L	.3	R						
THORIUM-230				.2 PCI/L	.2	UJ	.4 PCI/L	.4	-						
RADIUM-226				1 PCI/L	.2	UJ	1.5 PCI/L	.4	-						
URANIUM-235/236				.2 PCI/L	.3	UJ	.2 PCI/L	.2	R						
THORIUM-232				.2 PCI/L	.2	UJ	.2 PCI/L	.1	U						
RADIUM-228				3 PCI/L	1	U	3 PCI/L	1.5	U						
THORIUM-228				.2 PCI/L	.2	UJ	.2 PCI/L	.2	U						
GROSS ALPHA				4.8 PCI/L	2.7	UNV	118 PCI/L	17.1	NV						
GROSS BETA				5.7 PCI/L	3.4	UNV	303 PCI/L	17.3	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930525-10	GW930525-10	EMGW_SYSGEN_840	EMGW_SYSGEN_841	102753
TASK:	50.03.23	50.03.23	GWMON	GWMON	04.26
LAB:	NET	NET	WMCO	WMCO	IT
WELL OR BORING NUMBER:	2548	2548	2548	2548	2549
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-MAY-93	25-MAY-93	26-JUN-91	27-AUG-91	03-AUG-92
NORTH COORDINATE:	473251.341	473251.341	473251.341	473251.341	473649.481
EAST COORDINATE:	1380335.2	1380335.2	1380335.2	1380335.2	1380226.5
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				310 MG/L		-									
AMMONIA				.02 MG/L		U									
BICARBONATE ALKALINITY				384 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				33 MG/L		-									
FLUORIDE				.21 MG/L		U									
NITRATE/NITRITE				1.69 MG/L		-									
PH				7.33 SU		U									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				1.04 MG/L		J									
SPECIFIC CONDUCTIVITY				712 UMHOS/CM		-									
SULFATE				101 MG/L		J									
TOTAL DISSOLVED SOLIDS	458 MG/L		-												
TOTAL KJELDAHL NITROGEN				.17 MG/L		U									
TOTAL ORGANIC CARBON				2 MG/L		J									
TOTAL ORGANIC HALIDES				10 MG/L		U									
TOTAL ORGANIC NITROGEN				.17 MG/L		-									
TOTAL SOLIDS				2560 MG/L		-									
INORGANICS															
ALUMINUM	.02 MG/L		U	.833 MG/L		-									
ANTIMONY	.045 MG/L		U	.045 MG/L		UJ									
ARSENIC	.002 MG/L		U	.002 MG/L		U									
BARIUM	.0443 MG/L		-	.476 MG/L		-									
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									
CADMIUM	.003 MG/L		UJ	.003 MG/L		U									

SAMPLE NUMBER:	GW930525-10			GW930525-10			EMGW_SYSGEN_840			EMGW_SYSGEN_841			102753		
LAB:	NET			NET			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	88.2 MG/L		-	246 MG/L		-									
CHROMIUM	.005 MG/L		U	.005 MG/L		U									
COBALT	.008 MG/L		U	.008 MG/L		U									
COPPER	.003 MG/L		U	.0147 MG/L		U									
CYANIDE	.01 MG/L		U	.01 MG/L		UJ									
IRON	.015 MG/L		U	.244 MG/L		-									
LEAD	.001 MG/L		U	.001 MG/L		U									
MAGNESIUM	25.8 MG/L		-	61 MG/L		-									
MANGANESE	.0014 MG/L		U	.645 MG/L		-									
MERCURY	.0002 MG/L		U	.0002 MG/L		U									
NICKEL	.02 MG/L		U	.02 MG/L		U									
POTASSIUM	2.79 MG/L		-	3.02 MG/L		-									
SELENIUM	.0018 MG/L		UJ	.001 MG/L		UJ									
SILVER	.007 MG/L		U	.007 MG/L		U									
SODIUM	27.2 MG/L		-	29.3 MG/L		-									
THALLIUM	.002 MG/L		U	.002 MG/L		UJ									
VANADIUM	.003 MG/L		U	.003 MG/L		U									
ZINC	.005 MG/L		U	.0299 MG/L		U									
RADIONUCLIDES															
URANIUM, TOTAL							1.5 UG/L		NV	3.5 UG/L		NV	1.15 UG/L	.85	J
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHENE				10 UG/L		U									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U									
2-BUTANONE				10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				10 UG/L		UJ									
BROMODICHLOROMETHANE				10 UG/L		U									
BROMOFORM				10 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		UJ									

SAMPLE NUMBER:	GW930525-10			GW930525-10			EMGW_SYSGEN_840			EMGW_SYSGEN_841			102753		
LAB:	NET			NET			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		UJ									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		UJ									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		UJ									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	046958			GW930525-11			GW930525-11			GW930525-11			GW930525-11		
TASK:	3.7			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	IT			CORE			CORE			FERMCO			FERMCO		
WELL OR BORING NUMBER:	2549			2549			2549			2549			2549		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	23-MAY-90			25-MAY-93			25-MAY-93			25-MAY-93			25-MAY-93		
NORTH COORDINATE:	473649.481			473649.481			473649.481			473649.481			473649.481		
EAST COORDINATE:	1380226.5			1380226.5			1380226.5			1380226.5			1380226.5		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
URANIUM-238				.8 PCI/L	.3	J	.8 PCI/L	.3	-						
URANIUM, TOTAL	20.6 UG/L	4.1	-	.6 UG/L	.1	-	1.5 UG/L	.1	-	.3 UG/L		NV	1 UG/L		NV
URANIUM-234				.6 PCI/L	.3	J	.9 PCI/L	.4	-						
THORIUM-230				.2 PCI/L	.3	UJ	.2 PCI/L	.3	UJ						
RADIUM-226				1 PCI/L	.2	UJ	3.2 PCI/L	.5	-						
URANIUM-235/236				.2 PCI/L	.3	UJ	.3 PCI/L	.2	U						
THORIUM-232				.2 PCI/L	.2	U	.2 PCI/L	.2	U						
THORIUM, TOTAL				2.7360488 PCI/L	.2	NV	1.82400496 PCI/L	.2	NV						
RADIUM-228				3 PCI/L	1.2	U	3.1 PCI/L	1.5	-						
THORIUM-228				.4 PCI/L	.2	J	.2 PCI/L	.2	UJ						
GROSS ALPHA				.7 PCI/L	.4	UNV	60.8 PCI/L	12.2	NV						
GROSS BETA				.6 PCI/L	.3	NV	744 PCI/L	23.2	NV						

0025554

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930525-11	GW930525-11	EMGW_SYSGEN_842	EMGW_SYSGEN_843	004358
TASK:	50.03.23	50.03.23	GWMON	GWMON	3.2.4
LAB:	NET	NET	WMCO	WMCO	IT
WELL OR BORING NUMBER:	2549	2549	2549	2549	2550
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-MAY-93	25-MAY-93	26-JUN-91	27-AUG-91	03-DEC-90
NORTH COORDINATE:	473649.481	473649.481	473649.481	473649.481	475756.24
EAST COORDINATE:	1380226.5	1380226.5	1380226.5	1380226.5	1379348.13
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				388 MG/L		-									
AMMONIA				.06 MG/L		U									
BICARBONATE ALKALINITY				482 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				11 MG/L		-									
FLUORIDE				.28 MG/L		U									
NITRATE/NITRITE				3.68 MG/L		-									
PH				7.22 SU		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.29 MG/L		J									
SPECIFIC CONDUCTIVITY				746 UMHOS/CM		-									
SULFATE				83 MG/L		J									
TOTAL DISSOLVED SOLIDS	491 MG/L		-												
TOTAL KJELDAHL NITROGEN				3.21 MG/L		-									
TOTAL ORGANIC CARBON				2 MG/L		J									
TOTAL ORGANIC HALIDES				10 MG/L		U									
TOTAL ORGANIC NITROGEN				3.15 MG/L		-									
TOTAL SOLIDS				2320 MG/L		-									
INORGANICS															
ALUMINUM	.02 MG/L		U	1.59 MG/L		-							.065 MG/L		-
ANTIMONY	.045 MG/L		U	.045 MG/L		UJ									
ARSENIC	.002 MG/L		U	.002 MG/L		UJ							.002 MG/L		UJ
BARIUM	.0623 MG/L		-	.215 MG/L		-							.046 MG/L		-
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									
CADMIUM	.003 MG/L		UJ	.003 MG/L		U							.004 MG/L		-

SAMPLE NUMBER:	GW930525-11			GW930525-11			EMGW_SYSGEN_842			EMGW_SYSGEN_843			004358		
LAB:	NET			NET			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				10 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	004358	004358	068374	068375	068557
TASK:	3.2.4	3.2.4	3.11	3.11	3.11
LAB:	IT	IT/RSL	IT	WEMCO	IT
WELL OR BORING NUMBER:	2550	2550	2550	2550	2550
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-DEC-90	03-DEC-90	05-NOV-91	05-NOV-91	06-FEB-92
NORTH COORDINATE:	475756.24	475756.24	475756.24	475756.24	475756.24
EAST COORDINATE:	1379348.13	1379348.13	1379348.13	1379348.13	1379348.13
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-FIL	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		UJ												
CHLORIDE	31.92 MG/L		J												
FLUORIDE	.4 MG/L		J												
NITRATE	11.85 MG/L		J												
PHENOLS	.01 MG/L		J												
PHOSPHORUS	1.31 MG/L		J												
SULFATE	46.68 MG/L		J												
SULFIDE	.5 MG/L		U												
TOTAL ORGANIC CARBON	4.51 MG/L		-												
TOTAL ORGANIC HALIDES	.01 MG/L		UJ												
TOTAL ORGANIC NITROGEN	.54 MG/L		-												
RADIONUCLIDES															
URANIUM-238				29 PCI/L	3.5	J	48.5 PCI/L	6.5	-				33.1 PCI/L	4.4	-
URANIUM, TOTAL				112 UG/L	15	-	101 UG/L	13	-	101 UG/L		NV	99.6 UG/L	13.5	-
URANIUM-234				28.4 PCI/L	3.4	J	48.8 PCI/L	6.6	-				33 PCI/L	4.4	-
THORIUM-230				1 PCI/L		UJ	1.71 PCI/L	.95	-				1.14 PCI/L	.46	-
RADIUM-226				1 PCI/L		U	1 PCI/L		UJ				1 PCI/L		U
URANIUM-235/236				2.08 PCI/L	.46	J	3.75 PCI/L	1.13	-				2.8 PCI/L	.8	-
THORIUM-232				1 PCI/L		UJ	1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL				3.9 UG/L		UJ	7.4 UG/L		U				2.48 UG/L	1.9	-
RADIUM-228				7.45 PCI/L	3	R	3 PCI/L		UJ				4.23 PCI/L	1.12	R
THORIUM-228				1.46 PCI/L	.53	J	7.06 PCI/L	2.09	J				1.84 PCI/L	.6	J
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		UJ	1 PCI/L		U				1 PCI/L		U
PLUTONIUM-238				1 PCI/L		UJ	1 PCI/L		U				1 PCI/L		U

SAMPLE NUMBER:	004358			004358			068374			068375			068557		
LAB:	IT			IT/RSL			IT			WEMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
STRONTIUM-90				5 PCI/L		U	5 PCI/L		UJ				5 PCI/L		U
TECHNETIUM-99				30 PCI/L		U	30 PCI/L		UJ				30 PCI/L		UJ
RUTHENIUM-106				150 PCI/L		R	150 PCI/L		UJ				150 PCI/L		UJ
CESIUM-137				20 PCI/L		R	20 PCI/L		UJ				20 PCI/L		UJ
GROSS ALPHA													57.2 PCI/L	12.4	NV
GROSS BETA													20.9 PCI/L	4.3	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068001	068002	067955	067955	068296
TASK:	3.11	3.11	3.11	3.11	3.11
LAB:	IT	WEMCO	IT	IT	IT/RSL
WELL OR BORING NUMBER:	2550	2550	2550	2550	2550
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-MAY-91	06-MAY-91	07-MAR-91	07-MAR-91	07-OCT-91
NORTH COORDINATE:	475756.24	475756.24	475756.24	475756.24	475756.24
EAST COORDINATE:	1379348.13	1379348.13	1379348.13	1379348.13	1379348.13
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		U			
CHLORIDE										22.5 MG/L		-			
FLUORIDE										.42 MG/L		-			
NITRATE										6.75 MG/L		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.1 MG/L		-			
SULFATE										47.8 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON										1.47 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.2 MG/L		J			
INORGANICS															
ALUMINUM							.079 MG/L		-						
ARSENIC							.002 MG/L		U						
BARIUM							.042 MG/L		-						
CADMIUM							.004 MG/L		-						
CALCIUM							86.8 MG/L		-						
CHROMIUM							.018 MG/L		-						
COPPER							.01 MG/L		U						
IRON							.079 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							22 MG/L		-						
MANGANESE							.01 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.01 MG/L		U						

SAMPLE NUMBER:	068001			068002			067955			067955			068296		
LAB:	IT			WEMCO			IT			IT			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL							.02 MG/L		U						
POTASSIUM							2.68 MG/L		J						
SELENIUM							.002 MG/L		U						
SILICON							3.11 MG/L		-						
SILVER							.021 MG/L		-						
SODIUM							9.97 MG/L		-						
VANADIUM							.01 MG/L		U						
RADIONUCLIDES															
URANIUM-238	34 PCI/L	4.2	-				36 PCI/L	4.2	J				37.2 PCI/L	4.6	-
URANIUM, TOTAL	111 UG/L	11	-	114 UG/L		NV	106 UG/L	14	-				102 UG/L	14	-
URANIUM-234	35.6 PCI/L	4.4	-				34.2 PCI/L	4	J				36.2 PCI/L	4.5	-
THORIUM-230	1 PCI/L		U				1 PCI/L		U						
RADIUM-226	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U
URANIUM-235/236	3.1 PCI/L	.69	-				2.27 PCI/L	.46	J				3.37 PCI/L	.72	J
THORIUM-232	1 PCI/L		U				1 PCI/L		U						
THORIUM, TOTAL	3.6 UG/L		U				1.6 UG/L		U						
RADIUM-228	3 PCI/L		UJ				3 PCI/L		U				3 PCI/L		U
THORIUM-228	1 PCI/L		U				1 PCI/L		U						
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		U						
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		U						
STRONTIUM-90	5 PCI/L		U				5 PCI/L		UJ				5 PCI/L		U
TECHNETIUM-99	30 PCI/L		UJ				30 PCI/L		UJ				30 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		UJ				150 PCI/L		R				150 PCI/L		R
CESIUM-137	20 PCI/L		UJ				20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930511-3	GW930511-3	GW930511-3	GW930511-3	GW930511-3
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	CORE	FERMCO	FERMCO	LOCKHEED
WELL OR BORING NUMBER:	2550	2550	2550	2550	2550
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-MAY-93	11-MAY-93	11-MAY-93	11-MAY-93	11-MAY-93
NORTH COORDINATE:	475756.24	475756.24	475756.24	475756.24	475756.24
EAST COORDINATE:	1379348.13	1379348.13	1379348.13	1379348.13	1379348.13
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
TOTAL DISSOLVED SOLIDS													420 MG/L		-
INORGANICS															
ALUMINUM													.024 MG/L		UJ
ANTIMONY													.027 MG/L		UJ
ARSENIC													.002 MG/L		U
BARIUM													.0457 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM													.002 MG/L		U
CALCIUM													114 MG/L		-
CHROMIUM													.004 MG/L		U
COBALT													.005 MG/L		U
COPPER													.003 MG/L		U
CYANIDE													.023 MG/L		J
IRON													.0127 MG/L		-
LEAD													.002 MG/L		U
MAGNESIUM													27 MG/L		-
MANGANESE													.0014 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.011 MG/L		U
NICKEL													.011 MG/L		U
POTASSIUM													1.79 MG/L		-
SELENIUM													.001 MG/L		U
SILVER													.004 MG/L		U
SODIUM													14.5 MG/L		-
THALLIUM													.003 MG/L		U

SAMPLE NUMBER:	GW930511-3			GW930511-3			GW930511-3			GW930511-3			GW930511-3		
LAB:	CORE			CORE			FERMCO			FERMCO			LOCKHEED		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
VANADIUM													.004 MG/L		U
ZINC													.003 MG/L		U
RADIONUCLIDES															
URANIUM-238	30.9 PCI/L	5.9	J	39 PCI/L	5.6	J									
URANIUM, TOTAL	75.9 UG/L	5.3	-	94.5 UG/L	6.6	-	120 UG/L		NV	120 UG/L		NV			
URANIUM-234	29.5 PCI/L	5.7	J	36.5 PCI/L	5.3	J									
THORIUM-230	.3 PCI/L	.2	U	.3 PCI/L	.1	UJ									
RADIUM-226	1 PCI/L	.2	U	1 PCI/L	.4	UJ									
URANIUM-235/236	1.1 PCI/L	.5	J	1.5 PCI/L	.6	J									
THORIUM-232	.2 PCI/L	.1	U	.4 PCI/L	.1	UJ									
RADIUM-228	3 PCI/L	1.5	U	3 PCI/L	1.4	U									
THORIUM-228	.2 PCI/L	.2	U	.2 PCI/L	.1	UJ									
GROSS ALPHA	29.6 PCI/L	32.5	NV	57 PCI/L	5.7	NV									
GROSS BETA	268 PCI/L	21.1	NV	46 PCI/L	4.1	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	GW930511-3	068247	068247	068248	068527
TASK:	50.03.23	3.11	3.11	3.11	3.11
LAB:	LOCKHEED	IT	IT	WEMCO	IT/RSL
WELL OR BORING NUMBER:	2550	2550	2550	2550	2550
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-MAY-93	21-SEP-91	21-SEP-91	21-SEP-91	22-JAN-92
NORTH COORDINATE:	475756.24	475756.24	475756.24	475756.24	475756.24
EAST COORDINATE:	1379348.13	1379348.13	1379348.13	1379348.13	1379348.13
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	310 MG/L		-												
AMMONIA	.05 MG/L		U				.1 MG/L		U						
BICARBONATE ALKALINITY	310 MG/L		-												
CARBONATE ALKALINITY	30 MG/L		U												
CHLORIDE	27 MG/L		-				16 MG/L		-						
FLUORIDE	.24 MG/L		-				.3 MG/L		-						
NITRATE	3 MG/L		-				11 MG/L		J						
NITRATE/NITRITE	3 MG/L		-												
PH	7.9 SU		-				.01 MG/L		U						
PHENOLS	.15 MG/L		U				.01 MG/L		U						
PHOSPHORUS	.23 MG/L		-				.03 MG/L		U						
SPECIFIC CONDUCTIVITY	750 UMHOS/CM		-												
SULFATE	42 MG/L		-				48 MG/L		-						
SULFIDE							37 MG/L		-						
TOTAL ORGANIC CARBON	10 MG/L		U				1 MG/L		U						
TOTAL ORGANIC HALIDES	.045 MG/L		U				.015 MG/L		J						
TOTAL ORGANIC NITROGEN	.203 MG/L		-				.1 MG/L		U						
TOTAL SOLIDS	550 MG/L		-												
INORGANICS															
ALUMINUM	.518 MG/L		J	.0614 MG/L		-									
ANTIMONY	.027 MG/L		UJ	.03 MG/L		U									
ARSENIC	.002 MG/L		UJ	.002 MG/L		U									
BARIUM	.0543 MG/L		J	.0463 MG/L		-									
BERYLLIUM	.001 MG/L		UJ	.001 MG/L		U									
CADMIUM	.002 MG/L		UJ	.005 MG/L		U									

SAMPLE NUMBER:	GW930511-3			068247			068247			068248			068527		
LAB:	LOCKHEED			IT			IT			WEMCO			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
CALCIUM	126 MG/L		J	105 MG/L		-									
CHROMIUM	.0096 MG/L		J	.01 MG/L		U									
COBALT	.005 MG/L		UJ	.02 MG/L		U									
COPPER	.0055 MG/L		J	.0286 MG/L		-									
CYANIDE	.02 MG/L		UJ												
IRON	2.91 MG/L		J	.066 MG/L		-									
LEAD	.002 MG/L		UJ	.002 MG/L		U									
MAGNESIUM	33.4 MG/L		J	24 MG/L		-									
MANGANESE	.127 MG/L		J	.002 MG/L		U									
MERCURY	.0002 MG/L		UJ	.0002 MG/L		U									
MOLYBDENUM	.011 MG/L		UJ	.01 MG/L		U									
NICKEL	.0181 MG/L		J	.02 MG/L		U									
POTASSIUM	2.86 MG/L		J	3.11 MG/L		U									
SELENIUM	.001 MG/L		UJ	.002 MG/L		UJ									
SILICON				3.28 MG/L		-									
SILVER	.004 MG/L		UJ	.005 MG/L		U									
SODIUM	13.9 MG/L		J	10.3 MG/L		-									
THALLIUM	.003 MG/L		UJ	.002 MG/L		U									
VANADIUM	.004 MG/L		UJ	.01 MG/L		U									
ZINC	.0169 MG/L		UJ	.0416 MG/L		-									
RADIONUCLIDES															
URANIUM-238				39.4 PCI/L	4.5	NV							32.6 PCI/L	4.2	-
URANIUM, TOTAL				106 UG/L	15	NV				98 UG/L		NV	88.8 UG/L	11.6	-
URANIUM-234				34.6 PCI/L	4	NV							33 PCI/L	4.2	-
THORIUM-230													1 PCI/L		U
RADIUM-226				1 PCI/L		UNV							1 PCI/L		U
URANIUM-235/236				5.47 PCI/L	.82	NV							2.14 PCI/L	.6	-
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													1.7 UG/L		U
RADIUM-228				3 PCI/L		UNV							5.3 PCI/L		U
THORIUM-228													3.59 UG/L	1.15	-
NEPTUNIUM-237				1 PCI/L		NV							1 PCI/L		U
PLUTONIUM-239/240													1 PCI/L		U
PLUTONIUM-238													1 PCI/L		U
STRONTIUM-90				5 PCI/L		NV							5 PCI/L		U
TECHNETIUM-99				30 PCI/L		NV							30 PCI/L		UJ
RUTHENIUM-106				150 PCI/L		UNV							150 PCI/L		UJ
CESIUM-137				20 PCI/L		NV							20 PCI/L		UJ

VOLATILES

1,1,1-TRICHLOROETHANE 10 UG/L U
07/25/94

SAMPLE NUMBER:	GW930511-3	068247	068247	068248	068527
LAB:	LOCKHEED	IT	IT	WEMCO	IT/RSL
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE	10 UG/L		UJ												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHENE	10 UG/L		U												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U												
1,2-DICHLOROPROPANE	10 UG/L		U												
2-BUTANONE	10 UG/L		U												
2-HEXANONE	10 UG/L		UJ												
4-METHYL-2-PENTANONE	10 UG/L		UJ												
ACETONE	5 UG/L		J												
BENZENE	10 UG/L		U												
BROMODICHLOROMETHANE	10 UG/L		U												
BROMOFORM	10 UG/L		U												
BROMOMETHANE	10 UG/L		U												
CARBON DISULFIDE	10 UG/L		U												
CARBON TETRACHLORIDE	10 UG/L		U												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		U												
CHLOROFORM	10 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	10 UG/L		U												
ETHYLBENZENE	10 UG/L		U												
METHYLENE CHLORIDE	10 UG/L		U												
STYRENE	10 UG/L		U												
TETRACHLOROETHENE	10 UG/L		U												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U												
TRICHLOROETHENE	10 UG/L		U												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068173	068505	068505	068505	068506
TASK:	3.11	3.11	3.11	3.11	3.11
LAB:	IT	IT	IT-KNOX	IT-KNOX	IT
WELL OR BORING NUMBER:	2550	2550	2550	2550	2550
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JUL-91	30-DEC-91	30-DEC-91	30-DEC-91	30-DEC-91
NORTH COORDINATE:	475756.24	475756.24	475756.24	475756.24	475756.24
EAST COORDINATE:	1379348.13	1379348.13	1379348.13	1379348.13	1379348.13
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					068505
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		U			
CHLORIDE										18.1 MG/L		-			
FLUORIDE										.383 MG/L		-			
NITRATE										7.6 MG/L		-			
PHENOLS										.01 MG/L		-			
PHOSPHORUS							.03 MG/L		J						
SULFATE										61.1 MG/L		J			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.0154 MG/L		J			
TOTAL ORGANIC NITROGEN										.1 MG/L		UJ			
INORGANICS															
ALUMINUM							.0896 MG/L		-				.0885 MG/L		-
ANTIMONY							.03 MG/L		UJ				.03 MG/L		UJ
ARSENIC							.002 MG/L		U				.002 MG/L		U
BARIUM							.0471 MG/L		-				.0475 MG/L		-
CADMIUM							.0028 MG/L		-				.0034 MG/L		-
CALCIUM							96.2 MG/L		-				97.6 MG/L		-
CHROMIUM							.0234 MG/L		-				.0245 MG/L		-
COPPER							.01 MG/L		U				.01 MG/L		U
IRON							.0217 MG/L		-				.0197 MG/L		-
LEAD							.002 MG/L		U				.002 MG/L		U
MAGNESIUM							23.3 MG/L		-				23.6 MG/L		-
MANGANESE							.0045 MG/L		-				.0046 MG/L		-
MERCURY							.0002 MG/L		U				.0002 MG/L		U

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SAMPLE NUMBER:	068173			068505			068505			068505			068506		
LAB:	IT			IT			IT-KNOX			IT-KNOX			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MOLYBDENUM							.01 MG/L		U				.01 MG/L		U
NICKEL							.02 MG/L		U				.02 MG/L		U
POTASSIUM							3.08 MG/L		-				3.29 MG/L		-
SELENIUM							.002 MG/L		U				.002 MG/L		U
SILICON							3.51 MG/L		J				3.42 MG/L		J
SILVER							.0215 MG/L		J				.0223 MG/L		J
SODIUM							10 MG/L		-				10.1 MG/L		-
VANADIUM							.0104 MG/L		-				.0109 MG/L		-
RADIONUCLIDES															
URANIUM-238	31.6 PCI/L	3.9	NV	34.2 PCI/L	4.9	-							33.1 PCI/L	4.7	-
URANIUM, TOTAL	90.4 UG/L	9.4	NV	88.1 UG/L	11.5	-							93.5 UG/L	12.2	-
URANIUM-234	33.1 PCI/L	4.1	NV	37.1 PCI/L	5.3	-							32.8 PCI/L	4.6	-
THORIUM-230	2.34 PCI/L	.56	NV	1.43 PCI/L	.76	J							1 PCI/L		U
RADIUM-226	1 PCI/L		UNV	1 PCI/L		U							1 PCI/L		U
URANIUM-235/236	1.49 PCI/L	.44	NV	2.9 PCI/L	.99	-							2.37 PCI/L	.84	-
THORIUM-232	1 PCI/L		NV	1 PCI/L		U							1 PCI/L		U
THORIUM, TOTAL	2.5 UG/L		NV	1.8 UG/L		U							4.6 UG/L		U
RADIUM-228	3 PCI/L		UNV	3 PCI/L		U							3 PCI/L		U
THORIUM-228	1 PCI/L		NV	4.9 PCI/L	1.37	J							4.37 PCI/L	1.26	J
NEPTUNIUM-237	1 PCI/L		NV	1 PCI/L		UJ							1 PCI/L		UJ
PLUTONIUM-239/240	1 PCI/L		NV	1 PCI/L		U							1 PCI/L		U
PLUTONIUM-238	1 PCI/L		NV	1 PCI/L		U							1 PCI/L		U
STRONTIUM-90	5 PCI/L		NV	5 PCI/L		U							5 PCI/L		U
TECHNETIUM-99	30 PCI/L		NV	30 PCI/L		U							30 PCI/L		U
RUTHENIUM-106	150 PCI/L		UNV	150 PCI/L		U							150 PCI/L		U
CESIUM-137	20 PCI/L		NV	20 PCI/L		U							20 PCI/L		U
GROSS ALPHA				71.2 PCI/L	13.9	NV							73.4 PCI/L	14.2	NV
GROSS BETA				25 PCI/L	3.9	NV							27.8 PCI/L	4.3	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068506			068394			068395			068306			068306		
TASK:	3.11			3.11			3.11			3.11			3.11		
LAB:	IT			IT			WEMCO			IT			IT		
WELL OR BORING NUMBER:	2550			2551			2551			2551			2551		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	30-DEC-91			06-NOV-91			06-NOV-91			09-OCT-91			09-OCT-91		
NORTH COORDINATE:	475756.24			475347.36			475347.36			475347.36			475347.36		
EAST COORDINATE:	1379348.13			1379005.94			1379005.94			1379005.94			1379005.94		
QA TYPE:	DUPLICATE			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:	068505														
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U										.2 MG/L		-
CHLORIDE	18.1 MG/L		-										60 MG/L		-
FLUORIDE	.386 MG/L		-										.2 MG/L		-
NITRATE	7.57 MG/L		-										2.9 MG/L		-
NITRATE/NITRITE													2.9 MG/L		-
PHENOLS	.01 MG/L		-										.01 MG/L		U
PHOSPHORUS	.23 MG/L		J										.02 MG/L		-
SULFATE	80.9 MG/L		J										60 MG/L		-
SULFIDE	.5 MG/L		U										310 MG/L		-
TOTAL ORGANIC CARBON	1 MG/L		U										1 MG/L		-
TOTAL ORGANIC HALIDES	.01 MG/L		UJ										.01 MG/L		U
TOTAL ORGANIC NITROGEN	.304 MG/L		J										.1 MG/L		U
INORGANICS															
ALUMINUM										.04 MG/L		U			
ANTIMONY										.03 MG/L		U			
ARSENIC										.002 MG/L		U			
BARIUM										.0443 MG/L		-			
BERYLLIUM										.001 MG/L		U			
CADMIUM										.005 MG/L		U			
CALCIUM										112 MG/L		-			
CHROMIUM										.01 MG/L		U			
COBALT										.02 MG/L		U			
COPPER										.01 MG/L		U			
IRON										.0392 MG/L		U			
LEAD										.002 MG/L		U			

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SAMPLE NUMBER:	068506			068394			068395			068306			068306		
LAB:	IT			IT			WEMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
MAGNESIUM										26.2 MG/L		-			
MANGANESE										.0135 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.01 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										4.01 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILICON										4.44 MG/L		-			
SILVER										.005 MG/L		U			
SODIUM										25.2 MG/L		-			
THALLIUM										.002 MG/L		U			
VANADIUM										.01 MG/L		U			
ZINC										.0155 MG/L		U			
RADIONUCLIDES															
URANIUM-238				28.8 PCI/L	3.7	-				32.7 PCI/L	4.3	-			
URANIUM, TOTAL				87.8 UG/L	11.4	-	87 UG/L		NV	85.3 UG/L	12	-			
URANIUM-234				24.1 PCI/L	3.2	-				27.3 PCI/L	3.7	-			
THORIUM-230				1.89 PCI/L	1.13	-				1.63 PCI/L	1.18	J			
RADIUM-226				1 PCI/L		U				1 PCI/L		U			
URANIUM-235/236				2.15 PCI/L	.64	-				3.66 PCI/L	.82	-			
THORIUM-232				1 PCI/L		U				1 PCI/L		UJ			
THORIUM, TOTAL				9.3 UG/L		U				8.1 UG/L		UJ			
RADIUM-228				3 PCI/L		UJ				3 PCI/L		R			
THORIUM-228				10.6 PCI/L	3	J				1.8 PCI/L		UJ			
PLUTONIUM-239/240				1 PCI/L		U				1 PCI/L		U			
PLUTONIUM-238				1 PCI/L		U				1 PCI/L		U			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U			
TECHNETIUM-99				30 PCI/L		U				30 PCI/L		UJ			
RUTHENIUM-106				150 PCI/L		UJ				150 PCI/L		U			
CESIUM-137				20 PCI/L		UJ				20 PCI/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	068307	068445	068445	068563	067958
TASK:	3.11	3.11	3.11	3.11	3.11
LAB:	WEMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	2551	2551	2551	2551	2551
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-OCT-91	10-DEC-91	10-DEC-91	10-FEB-92	12-MAR-91
NORTH COORDINATE:	475347.36	475347.36	475347.36	475347.36	475347.36
EAST COORDINATE:	1379005.94	1379005.94	1379005.94	1379005.94	1379005.94
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-UNF	NONE-FIL	NONE-FIL

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U						
CHLORIDE							46.5 MG/L		-						
FLUORIDE							.295 MG/L		-						
NITRATE							4.13 MG/L		-						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.02 MG/L		U						
SULFATE							2 MG/L		U						
SULFIDE							.5 MG/L		U						
TOTAL ORGANIC CARBON							1.63 MG/L		-						
TOTAL ORGANIC HALIDES							10.6 MG/L		UJ						
TOTAL ORGANIC NITROGEN							.1 MG/L		U						
INORGANICS															
ALUMINUM				.0982 MG/L		-							.078 MG/L		U
ARSENIC				.002 MG/L		U							.002 MG/L		U
BARIUM				.0453 MG/L		-							.034 MG/L		-
CADMIUM				.0036 MG/L		-							.004 MG/L		-
CALCIUM				102 MG/L		-							81.12 MG/L		-
CHROMIUM				.0245 MG/L		-							.025 MG/L		-
COPPER				.0142 MG/L		-							.01 MG/L		U
IRON				.0383 MG/L		-							.05 MG/L		U
LEAD				.0053 MG/L		J							.002 MG/L		U
MAGNESIUM				24.5 MG/L		-							19.54 MG/L		-
MANGANESE				.0116 MG/L		-							.006 MG/L		-
MERCURY				.0002 MG/L		U							.0002 MG/L		U
MOLYBDENUM				.01 MG/L		U							.01 MG/L		U

SAMPLE NUMBER:	068307			068445			068445			068563			067958		
LAB:	WEMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
INORGANICS															
NICKEL				.02 MG/L		U							.02 MG/L		-
POTASSIUM				3.64 MG/L		-							3.19 MG/L		-
SELENIUM				.002 MG/L		U							.002 MG/L		U
SILICON				4.18 MG/L		-							3.537 MG/L		-
SILVER				.022 MG/L		-							.018 MG/L		-
SODIUM				21.8 MG/L		-							12.23 MG/L		-
VANADIUM				.0111 MG/L		-							.01 MG/L		U
RADIONUCLIDES															
URANIUM-238				22.5 PCI/L	3.6	-				23.2 PCI/L	3.3	-	22.3 PCI/L	2.6	J
URANIUM, TOTAL	78 UG/L		NV	67.5 UG/L	8.6	-				57.8 UG/L	7.9	J	79.1 UG/L	11	-
URANIUM-234				18.1 PCI/L	3.1	-				19.2 PCI/L	2.8	-	19.6 PCI/L	2.3	J
THORIUM-230				1 PCI/L		U				1.56 PCI/L	.55	-	1 PCI/L		U
RADIUM-226				1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
URANIUM-235/236				1.85 PCI/L	.8	J				1.56 PCI/L	.59	J	1.93 PCI/L	.38	J
THORIUM-232				1 PCI/L		U				1 PCI/L		U	1 PCI/L		U
THORIUM, TOTAL				1.8 UG/L		U				2.7 UG/L		U	1.8 UG/L		U
RADIUM-228				4 PCI/L		R				3 PCI/L		U	3 PCI/L		U
THORIUM-228				1 PCI/L		U				2.46 PCI/L	.82	J	1.26 PCI/L	.33	-
NEPTUNIUM-237													1 PCI/L		U
PLUTONIUM-239/240				1 PCI/L		UJ				1 PCI/L		U	1 PCI/L		U
PLUTONIUM-238				1.2 PCI/L		UJ				1 PCI/L		U	1 PCI/L		U
STRONTIUM-90				5 PCI/L		U				5 PCI/L		U	5.32 PCI/L	1.31	J
TECHNETIUM-99				30 PCI/L		UJ				30 PCI/L		UJ	30 PCI/L		UJ
RUTHENIUM-106				150 PCI/L		U				150 PCI/L		UJ	150 PCI/L		UJ
CESIUM-137				20 PCI/L		U				20 PCI/L		UJ	20 PCI/L		UJ
GROSS ALPHA				20 PCI/L	6.3	NV				32.1 PCI/L	8.1	NV			
GROSS BETA				14.2 PCI/L	2.5	NV				15.9 PCI/L	3.4	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 2 WELLS

SAMPLE NUMBER:	067958			068015			GW930517-3			GW930517-3			GW930517-3		
TASK:	3.11			3.11			50.03.23			50.03.23			50.03.23		
LAB:	IT			IT			CORE			CORE			FERMCO		
WELL OR BORING NUMBER:	2551			2551			2551			2551			2551		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	12-MAR-91			15-MAY-91			17-MAY-93			17-MAY-93			17-MAY-93		
NORTH COORDINATE:	475347.36			475347.36			475347.36			475347.36			475347.36		
EAST COORDINATE:	1379005.94			1379005.94			1379005.94			1379005.94			1379005.94		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
AMMONIA	.096 MG/L		-												
CHLORIDE	18.76 MG/L		-												
FLUORIDE	.25 MG/L		-												
NITRATE	1.96 MG/L		J												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.49 MG/L		-												
SULFATE	51 MG/L		-												
SULFIDE	.5 MG/L		U												
TOTAL ORGANIC CARBON	2.674 MG/L		-												
TOTAL ORGANIC HALIDES	.013 MG/L		-												
TOTAL ORGANIC NITROGEN	.33 MG/L		J												
RADIONUCLIDES															
URANIUM-238				34.2 PCI/L	4.9	-	18.6 PCI/L	2.3	J	20.5 PCI/L	2.5	J			
URANIUM, TOTAL				108 UG/L	15	-	54.7 UG/L	3.8	-	58.5 UG/L	4.1	-	64 UG/L		NV
URANIUM-234				29.3 PCI/L	4.3	-	17.3 PCI/L	2.2	J	19.4 PCI/L	2.4	J			
THORIUM-230				1 PCI/L		U	.2 PCI/L	.4	UJ	.7 PCI/L	.1	J			
RADIUM-226				1 PCI/L		U	1 PCI/L	.4	UJ	1 PCI/L	.2	UJ			
URANIUM-235/236				2.01 PCI/L	.7	-	1.1 PCI/L	.4	J	1 PCI/L	.4	J			
THORIUM-232				1 PCI/L		U	2.7 PCI/L	.3	-	2.7 PCI/L	.3	-			
THORIUM, TOTAL				2.7 UG/L		U	1.824 PCI/L	.2	NV	24.6242055 PCI/L	.3	NV			
RADIUM-228				3 PCI/L		UJ	3 PCI/L	1.2	U	3 PCI/L	1.3	U			
THORIUM-228				1.21 PCI/L	.4	J	.2 PCI/L	.2	UJ	1.4 PCI/L	.1	-			
NEPTUNIUM-237				1 PCI/L		U									
PLUTONIUM-239/240				1 PCI/L		U									
PLUTONIUM-238				1 PCI/L		U									

SAMPLE NUMBER:	067958			068015			GW930517-3			GW930517-3			GW930517-3		
LAB:	IT			IT			CORE			CORE			FERMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-FIL			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
RADIONUCLIDES															
STRONTIUM-90				5 PCI/L		U									
TECHNETIUM-99				30 PCI/L		UJ									
RUTHENIUM-106				150 PCI/L		UJ									
CESIUM-137				20 PCI/L		UJ									
GROSS ALPHA							29.1 PCI/L	3.2	NV	35 PCI/L	3.8	NV			
GROSS BETA							17 PCI/L	1.9	NV	19.4 PCI/L	2.3	NV			